

Joint Legacy Viewer (JLV) 2.9

User Guide



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Revision History

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Artifact Rationale

Per the Veteran-focused Integrated Process (VIP) Guide, the user guide is required to be completed prior to Critical Decision Point #2 (CD2), with the expectation that it is updated as needed. A user guide is a technical communication document intended to give assistance to people using a system, such as Veterans Health Information Systems and Technology Architecture (VistA) end users. It is usually written by a technical writer, although it can also be written by programmers, product or project managers, or other technical staff. Most user guides contain both a written guide and the associated images. It is usual to include screenshots of the human-machine interfaces, and hardware manuals often include clear, simplified diagrams. The language used is matched to the intended audience, with jargon kept to a minimum or explained thoroughly. The user guide is a mandatory, build-level document, and should be updated to reflect the contents of the most recently deployed build. The sections documented herein are required if applicable to your product.

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1. Introduction

Born from a joint Department of Defense (DOD)–Department of Veterans Affairs (VA) venture called JANUS, Joint Legacy Viewer (JLV) was directed by the Secretary of the VA and the Secretary of Defense in early 2013 to further support interoperability between the two departments. JLV is a centrally hosted, Java-based web application managed as a single code baseline and deployed in separate DOD and VA environments. Its browser-based, graphical user interface (GUI) provides an integrated, read-only view of Electronic Health Record (EHR) data from the VA, DOD, and community partners within a single application.

JLV eliminates the need for VA and DOD clinicians to access disparate viewers. The GUI retrieves clinical data from several native data sources and systems, then presents it to the user via widgets, each corresponding to a clinical data domain. Users can create and personalize tabs, drag, and drop widgets onto tabs, sort data within a widget's columns, set date filters, and expand a widget for a detailed view of patient information.

This document is intended for VA JLV users supporting the:

- Veterans Health Administration (VHA)
- Veterans Benefits Administration (VBA)

[Table 1](#) describes authorized JLV users and their responsibilities.

Table 1: JLV User Profiles

User	Description and Responsibilities
Compensation and Pension Record Interchange (CAPRI)-Claims	VA administrative staff who access patient EHRs to assist in VBA processes
VHA	VA clinicians and administrative staff who access patient EHRs to assist in providing health care services
DOD Clinician	DOD clinicians who access patient EHRs

1.1. Purpose of the Guide


The purpose of the user guide is to familiarize VA users with the important features and navigational elements of JLV.

The major features of the JLV GUI include:

- Access to patient data (through widgets)
- Patient context management
- User-restricted access (Break the Glass)
- Use of the Report Builder
- Option to use the accessible (508-compliant) interface

1.1.1. Guide Conventions

This document is designed for both online and hardcopy consumption.

- [Cross References](#) are indicated by blue, underlined text and provide a hyperlink to figures, tables, and other sections within this guide
- Emphasis is expressed by **bold** and *italicized* text
- The information symbol  calls the reader's attention to additional information

1.1.2. Terminology

The following standard terms are used throughout this guide:

- **Patient Portal:** The page that displays patient data through widgets
- **Provider Portal:** The landing page, or default view, of JLV that appears after logging in to the application that displays widgets and the tools that enable quick access to basic features
- **Tab:** A component of the JLV interface that displays the **Patient** and **Provider** portals and presents user-customized views of widgets
- **Widget:** A component of the JLV interface that enables a user to view information or perform a function
- **Widget Tray:** An expandable and collapsible tray on the portal pages that provides access to all widgets available for placement on the portal pages

1.2. Assumptions

The user guide is written from the perspective of VA users, assuming the following:

- You can open, navigate, and use a web browser
- You can use web-based applications, their menu options, and navigation tools
- You have the Uniform Resource Locator (URL) for the JLV **Login** page, a system username, and the required Access and Verify codes
- You are using the functionality of JLV to support VHA and/or VBA workflows

1.3. System Requirements

JLV is optimized for use with the VA standard browsers, Internet Explorer (IE) version 11 and Chrome. Other web browsers may function but are not certified for support. It is recommended that you view JLV using:

- A monitor set to a minimum screen resolution of 1024 x 768
- An approved browser, with the browser's zoom percentage set to 100%

It is also recommended that Adobe Reader be installed on your system.

1.4. Getting Help

Please see online help for how-to information within JLV. Please visit [JLV Resources](#) for access to JLV training videos and additional JLV training materials.

Prior to contacting the Enterprise Service Desk (ESD) for support, please refer to [Logging in to JLV](#) for detailed information about how to access JLV and to [Troubleshooting](#) for suggested resolution steps and troubleshooting information.

If you are an authorized user having trouble logging in to JLV or experiencing other application issues, please contact the ESD via telephone or by using the YourIT self-service portal for assistance.



IT Enterprise Service Desk

Phone: 855-673-4357

YourIT Self-Service Portal: <https://yourIT.va.gov>

If you are unable to retrieve community partner documents for a patient, please contact your local Veterans Health Information Exchange (VHIE) Coordinator. If you need assistance locating your local contact, please e-mail VHIECommunityEngagement@va.gov.

2. Logging in to JLV

Users who have access to the Computerized Patient Record System (CPRS), CAPRI, and Cerner PowerChart are automatically authorized to use JLV.



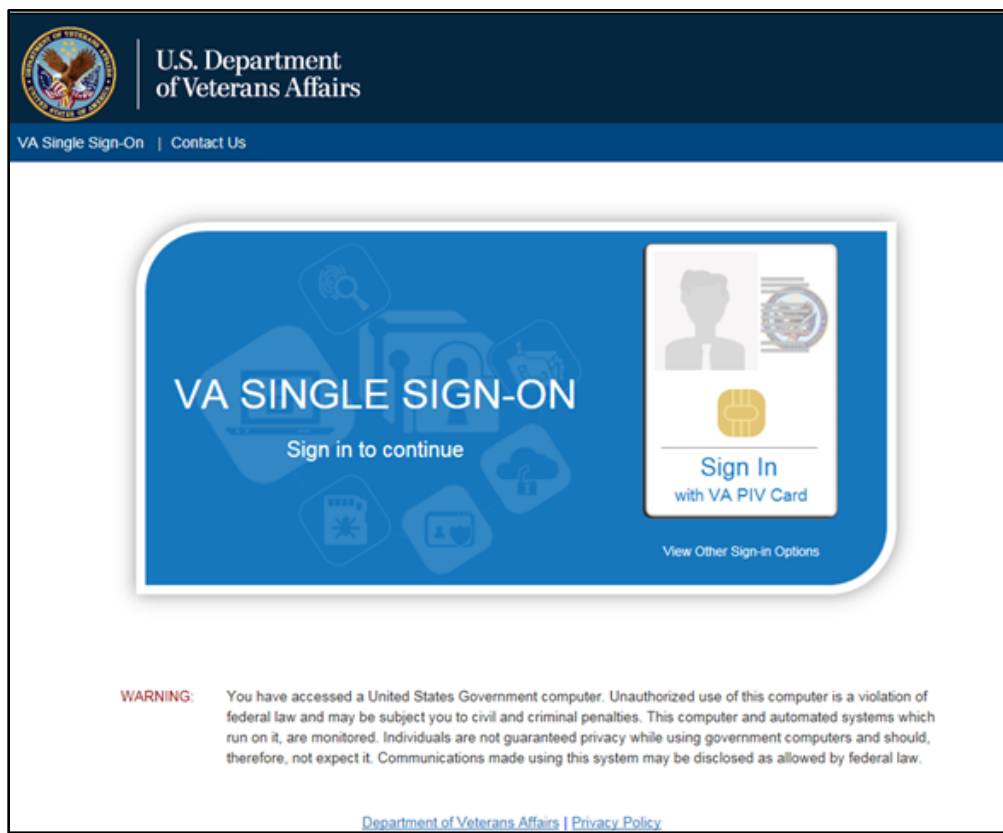
NOTE: There is no functionality available to change a user identification (ID) and password in JLV. See [Troubleshooting](#) for information about login errors, Access code errors, or Verify code errors.

2.1. VHA User Login

To log in to JLV through SSOi, you must first link your Personal Identity Verification (PIV) card to your VistA account (see [Link Your PIV Card and VistA Account](#)). If you can log into CPRS or JLV without entering your Access and Verify code, you are already linked.

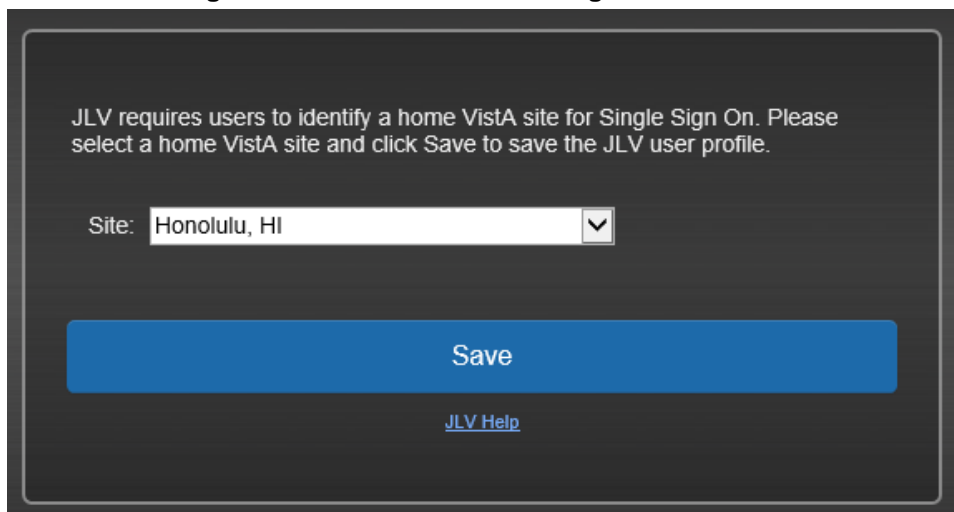
1. Enter the JLV URL (<https://jlv.med.va.gov/JLV>) into the address bar of your Internet browser, select the **JLV** button CPRS if available, or select the **JLV** button in PowerChart
 - a. You are redirected to the **VA Single Sign-On Internal (SSOi)** page ([Figure 1](#))

Figure 1: SSOi Page for VA Users



2. Click the **Sign in with VA PIV Card** button
3. Select the authentication certificate *Veterans Affairs User CV B1*, and click **OK**
4. Enter your Personal Identification Number (PIN), and click **OK**
 - a. If the **Home VistA Site** dialog appears ([Figure 2](#)), select your site, and click **Save**

Figure 2: Home VistA Site Dialog for VHA Users



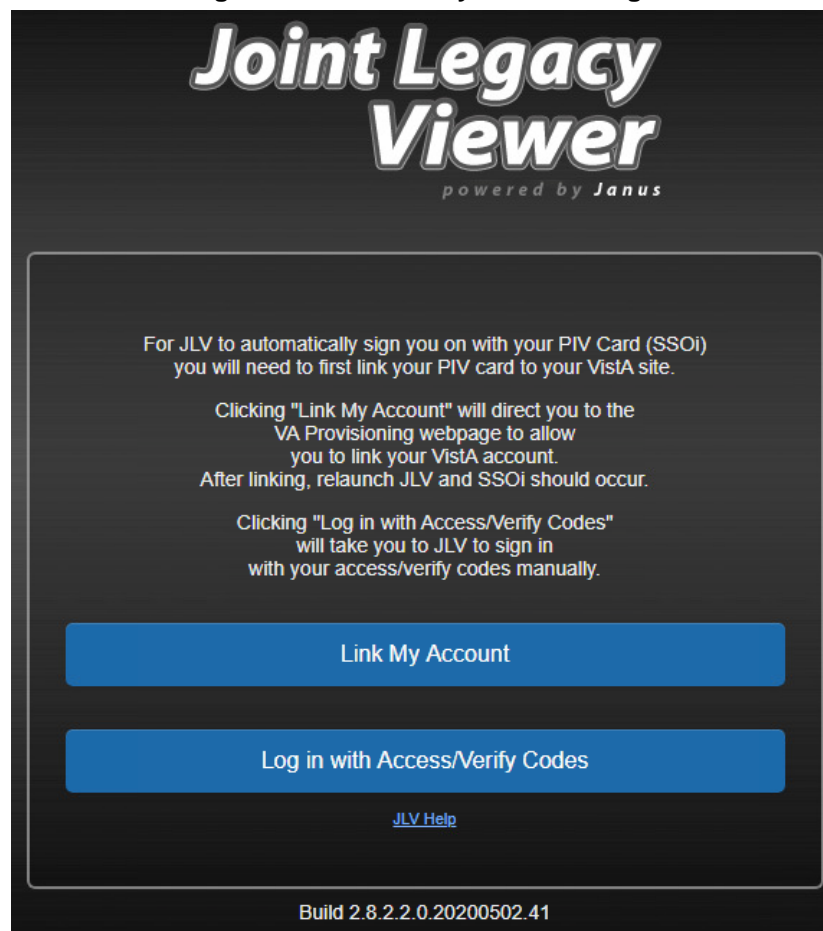
- b. If your PIV card is properly linked to the home VistA site you selected, the **Government Information System Acknowledgement** displays
 - c. If your PIV is not properly linked to the home VistA site you selected, the **Link My Account** page displays ([Figure 3, Link Your PIV Card and VistA Account](#))
5. Read the important user consent information regarding access to a Government information system, and click **I Accept**
- a. You are redirected to JLV ([Figure 9](#))

2.1.1. Link Your PIV Card and VistA Account

You need your Access and Verify codes for your VistA account and a PIV card PIN to link your PIV credentials to your VistA account. If you do not remember your PIN or experience any other issue related to your PIV card, visit your local PIV office.

- 1. Complete steps 1–4 listed in [VHA User Login](#)
 - a. **Link My Account** page displays ([Figure 3](#))

Figure 3: JLV Link My Account Page



- 2. Select the **Link My Account** button
 - a. JLV redirects the user to the **IAM Provisioning Services** page ([Figure 4](#))

Figure 4: IAM Provisioning Services Link VistA User Page

IAM Provisioning Services [VAEC Development] Tuesday May 5th, 2020

VistA instances that are already bound

Instance	Name	Status
NO VISTA STATIONS LINKED TO YOUR ACCOUNT IN PROVISIONING.		

My User Account Information

Network Id: [redacted] [Not You?](#)

User Name: [redacted]

VA Email Address: [redacted]@va.gov

User Account Request Information

* Link Account: Select a VistA Instance [dropdown] [search icon]

* Access Code: [input field]

* Verify Code: [input field]

[Submit] [Cancel]

i **NOTE:** Close all other open applications and browser windows. You may experience a failure to link your account(s) if you are logged into CPRS and your VistA application. If this occurs, you should log out and not log back into CPRS until you receive an email stating your account is linked.

3. Click the **Link VistA** User link ([Figure 4](#))

i **NOTE:** Ignore the “No VistA stations linked to your account in provisioning” message that displays.

4. Select the appropriate instance of VistA from the **Link Account** dropdown

i **NOTE:** The VistA instance list is sorted by station number. If station ends in a letter or contains a letter, select the parent station for your division. For example, if your station is 576A or 576A5, select the 576 station number. You can type into the station list to jump to a specific instance.

5. Enter your Access and Verify codes for the selected VistA instance

6. Click **Submit**

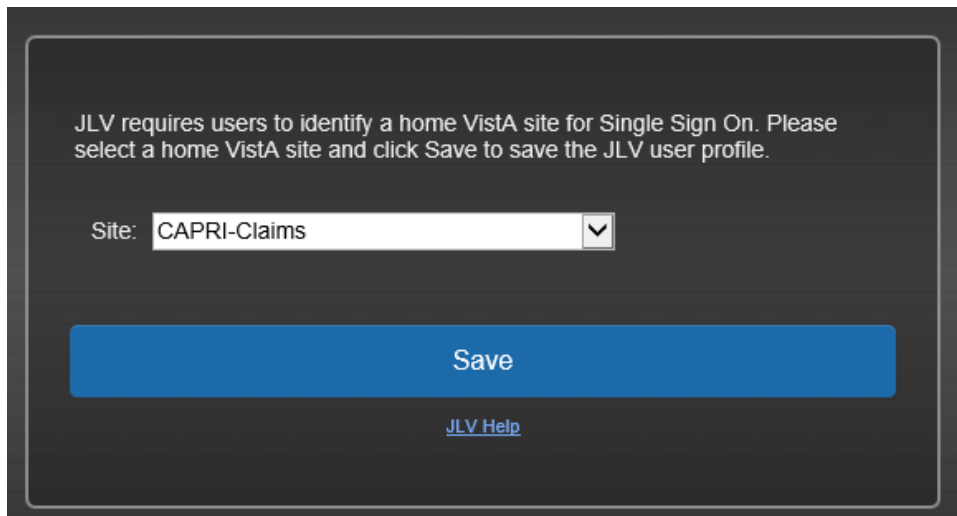
2.2. CAPRI-Claims User Login

The following instructions apply to CAPRI-Claims users accessing JLV.

i **NOTE:** Users with any CAPRI patient selection restrictions must use the **Joint Legacy Viewer** tab in CAPRI to access JLV.

1. Enter the URL into the address bar of your Internet browser (<https://jlv.med.va.gov/JLV>), or select the **Joint Legacy Viewer** tab in CAPRI
 - a. You are redirected to the **VA SSOi** page ([Figure 1](#))
2. Click the **Sign in with VA PIV Card** button
3. Select the authentication certificate *Veterans Affairs User CV B1*, and click **OK**
4. Enter your PIN, and click **OK**
 - a. If the **Home VistA Site** dialog appears ([Figure 5](#)), select *CAPRI-Claims*, and click **Save**

Figure 5: Home VistA Site Dialog for CAPRI-Claims



JLV requires users to identify a home VistA site for Single Sign On. Please select a home VistA site and click Save to save the JLV user profile.

Site: CAPRI-Claims

Save

[JLV Help](#)

- b. You are redirected to the JLV **Login** page ([Figure 6](#))

Figure 6: The JLV Login Page

Joint Legacy Viewer
powered by Janus

☐ Accessibility Mode

VistA Access Code:

VistA Verify Code:

Agency: Site:

[Edit Profile](#)

Login

Announcements
*COVID-19 status indicator [More](#)

System Status
✓ JLV data sources available.

[JLV Help](#)

5. Read the important user consent information regarding access to a Government information system, and click **I Accept**
6. If desired, check the **Accessibility Mode** option
 - a. If selected, JLV opens and displays the application in the 508-compliant Accessible UI theme (See [Using the Accessible Theme's Functionality](#) for detailed information)
7. Enter your login credentials:
 - a. Enter your Access code
 - b. Enter your Verify code
 - c. Select VA from the **Agency** field
 - d. Select CAPRI-Claims from the **Site** dropdown list
8. Click **Login**
 - a. You are redirected to JLV ([Figure 9](#))

2.2.1. Editing Your User Profile at Login

One method of setting application configuration options (i.e., customizing) is by using the **Edit Profile** link (Figure 6) to access the user profile fields through the JLV **Login** page (Figure 7). User profile options can also be set within JLV. See [Customizing JLV](#).


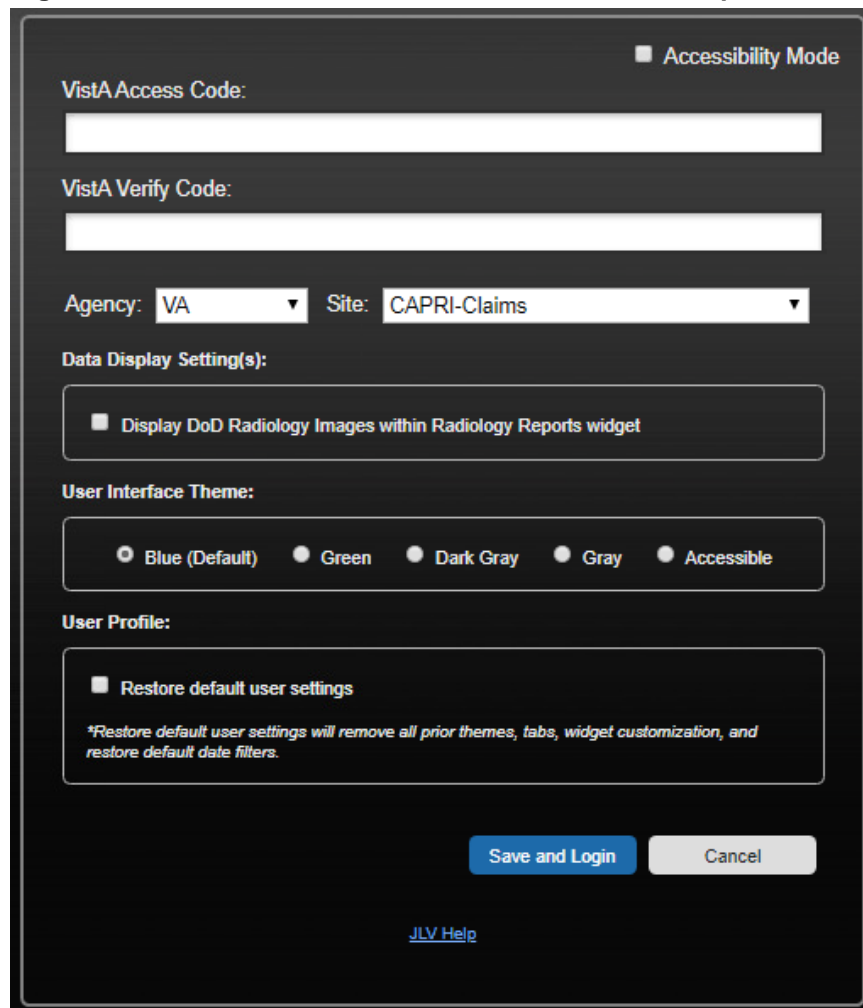
- i** **NOTE:** Only CAPRI-Claims users and those who haven't yet linked their VistA accounts to their PIV can load the **Login** page and access the **Edit Profile** link. SSOi users with linked VistA accounts load the **Provider Portal** directly and can change their configurations from the  on the portal pages as described in [Customizing JLV](#).
- i** **NOTE:** The selected options are saved to your user profile by clicking **Save and Login** and remain set for all subsequent JLV sessions until you change them.

Figure 7: User Profile Data Source and User Interface Option Fields



Accessibility Mode

VistA Access Code:

VistA Verify Code:

Agency: VA Site: CAPRI-Claims

Data Display Setting(s):

☐ Display DoD Radiology Images within Radiology Reports widget

User Interface Theme:

☒ Blue (Default) ☐ Green ☐ Dark Gray ☐ Gray ☐ Accessible

User Profile:

☐ Restore default user settings

**Restore default user settings will remove all prior themes, tabs, widget customization, and restore default date filters.*

Save and Login Cancel

[JLV Help](#)

2.3. Logging Out of the Current JLV Session


Click  (highlighted in [Figure 8](#)) at any time to end the current session and exit JLV.

Figure 8: JLV Logout Icon



A JLV session ends automatically after 60 minutes of inactivity. Actions in JLV that are considered activity are changing patients, refreshing widgets, opening, or closing widgets, adding, or removing widgets from the portal pages, and adjusting date ranges. You receive an audible and visual warning that the current session is about to terminate after 55 minutes of inactivity. Automatic termination of a session logs you out of the application, closes all JLV tabs and windows, and displays the **Logout** page. Close and reopen the browser and return to the JLV **Login** page to initiate a new JLV session. If SSOi is enabled, you are redirected to the **VA Single Single-On Logout** page.



3. The Elements and Functionality of JLV

3.1. The JLV Portal Pages

After a successful log in, your username displays on the portal toolbar, and the JLV portal pages are displayed. The JLV portal pages are:

- The  **Patient Portal**
- The  **Provider Portal**

3.1.1. Default View

Upon log in, you see the  **Provider Portal**. The portal displays the  **Patient Search** dialog box by default.



 **NOTE:** CPRS users who select a patient within CPRS, then launch JLV are taken directly to the JLV  **Patient Portal**, where the records for the patient selected in CPRS are displayed.

Figure 9: Default View

The screenshot shows the JLV Patient Search interface. At the top, there is a navigation bar with the JLV logo, a search icon, and a 'Patient Search' tab. Below the navigation bar, there is a 'Patient Search' modal window. The modal contains search filters for 'DoD ID', 'SSN', and 'First Name'. There is a 'Search' button and a 'Show Advanced Search Options' link. Below the search filters, there is a table of 'Recently Viewed Patients' with columns for Name, DoD ID, SSN, Date of Birth, Birth Sex, and SIGI. The table contains several rows of data, some of which are blurred. At the bottom of the modal, there is a 'Clear Recently Viewed Patients' button. The background of the page shows a 'Provider Portal' tab and a 'My Custom Tab' button.

Name	DoD ID	SSN	Date of Birth	Birth Sex	SIGI
				M	
				F	
				M	
				M	O
				M	N
				M	
				M	
				M	
				M	

The **Patient Portal** displays a selected patient's clinical records and other patient-centric information.

New JLV users see a preconfigured, default widget layout on the **Patient Portal** when a patient is selected. The default layout includes the **Allergies**, **Problem List**, **Documents**, **Outpatient Medications**, and **Lab Results** widgets, as well as the **Patient Flags and Postings** widget if applicable.

NOTE: You can configure the layout of widgets on the **Patient Portal** and create multiple widget tabs, as described in [Customizing JLV](#) and in [Accessing and Opening Widgets](#). Customizations are saved to your user profile and remain until manually changed.

3.1.2. System Menu

Each portal page has a toolbar (highlighted in [Figure 10](#)) that enables quick access to the following features:

- **Settings:** Click to set user preferences, including the UI theme (Refer to [Customizing JLV](#))
- **Report Builder:** Click to create custom reports (Refer to [Using Report Builder](#))
- **Online Help:** Click to open online help
- **Logout:** Click to log out and close the current JLV session (Refer to [Logging Out of the Current JLV Session](#))

Figure 10: JLV Tools on the Portal Pages



The following functions can be completed from the portal pages (highlighted in [Figure 11](#)):







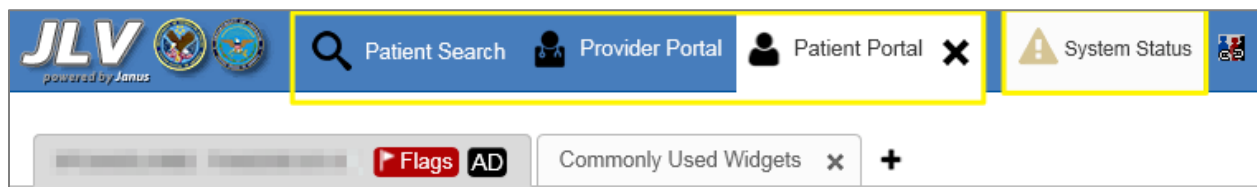

- Perform a  **Patient Search**
- Switch between the  **Patient Portal** and the  **Provider Portal**
- View the system status 
- View Context Management status  
- Open the widget tray using the **Open Widget Tray** ^ link on the portal pages (as shown in [Accessing and Opening Widgets](#), [Figure 39](#))

Figure 11: More JLV Functionality



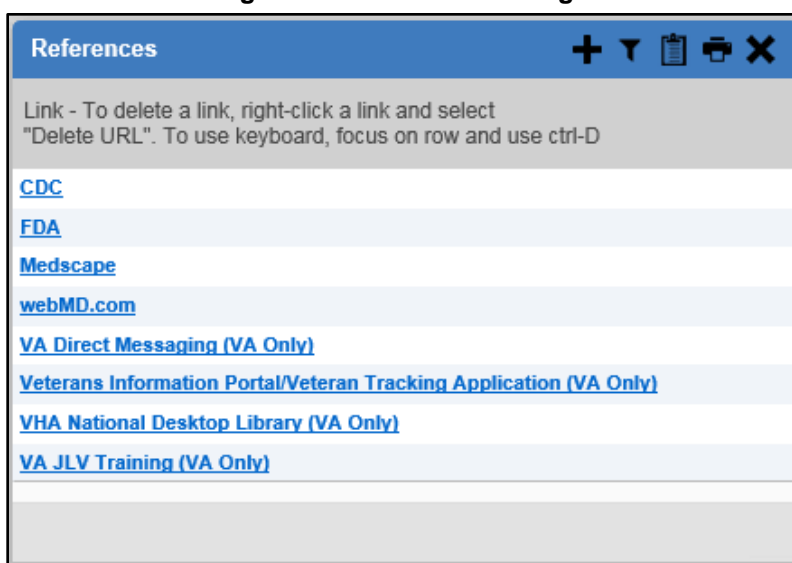
Switching from the  **Patient Portal** to the  **Provider Portal** closes all associated patient tabs and windows to prevent confusion between patient records.

3.1.3. References Widget

The **References** widget ([Figure 12](#)) displays hyperlinked references to online resources. Click the **Open Widget Tray** link (or click the up arrow) on the  **Provider Portal** to view the widget tray. Click and drag the **References** widget from the tray up to the portal and position where desired. Click a reference link to access the associated website. Click **+** to add a new reference link.

Only the reference links you add can be deleted. Right-click the link and select **Delete URL** to delete a reference link. You cannot delete reference links included in the default widget configuration.

Figure 12: References Widget






3.1.4. Viewing System Status

The system status reports the condition of the JLV application. Hovering over **System Status** provides additional information.

i **NOTE:** The System Status reports the overall condition of the JLV application, while the Connection Status reports the condition of the connection between JLV and its external resources. See [Viewing Connection Status](#) for more information.

JLV displays the system status on the **Login** page and on the portal toolbar.

- When all monitored systems and services are online and connected,  appears with the status message, “*JLV data sources are available*”
- When one or more of the monitored systems or services is offline or unavailable,  appears with the status message, “*Services are not available to JLV*”
- When JLV is unavailable,  appears with the message, “*System status is unavailable*”
 - You may not be able to log in to JLV or view patient data until the connection is restored

These warnings may be accompanied by one or more of the notices listed in [Table 2](#), depending on which services are unavailable. [Figure 13](#) shows a system status message on the **Login** page, and [Figure 14](#) shows the **System Status** hover text on the portal toolbar.

Table 2: System Status Notices by Service

Service	Notice
jMeadows	<i>“The service that gathers patient data and prepares it for display in JLV is unavailable. JLV is available for login but may not function otherwise.”</i>
Master Veteran Index (MVI)	<i>“VA Patient Identity Service is unavailable. Patient search may not be available, and VA and community partner data may not display.”</i>

Service	Notice
Patient Discovery Web Service (PDWS)	<i>“DOD Patient Identity Service is unavailable. Patient search may not be available and DOD data may not display.”</i>
Relay Service	<i>“All DOD, Federal EHR, and Community Partner data in widgets is currently unavailable. The source connection is down and DOD, Federal EHR, and Community Partner data of all types from all sites may not display.”</i>
VistA Data Service (VDS)	<i>“The connection to VA sites is unavailable. VA patient records of all types from all sites may not display.”</i>
Data Exchange Service (DES)	<i>“Some Federal EHR data, and all DOD and Community Partner data, are currently unavailable. The source connection is down and all DOD and Community Partner, and some FEHR, data of all types from all sites may not display in widgets.”</i>
Electronic Health Record Modernization (EHRM)	<i>“Federal EHR (Cerner) is currently unavailable. The source connection is down and some Federal EHR data may not display.”</i>

Figure 13: System Status on the JLV Login Page

The screenshot shows the JLV Login Page with the following elements:

- Header:** "Joint Legacy Viewer" logo with "powered by Janus" below it.
- Form Fields:**
 - VistA Access Code: [Text Input]
 - VistA Verify Code: [Text Input]
 - Agency: [Dropdown Menu] (selected: VA)
 - Site: [Dropdown Menu] (selected: IPOTEST4)
- Buttons:** "Login" (blue), "Edit Profile" (link), "Accessibility Mode" (checkbox).
- Announcements:** "ISSUE: Report Builder Problems [More](#)"
- System Status:**
 - Warning icon: "Services are not available to JLV."
 - Details:
 - The connection to DoD is unavailable. DoD patient records of all types from all sites may not display.
 - VA Patient Identity Service is unavailable. Patient search may not be available and VA and community partner data may not display.
 - Text: "Technical staff are aware of the problem and working to resolve it. Thank you for your patience."
 - Link: [JLV Help](#)

Figure 14: System Status on the JLV Toolbar

The screenshot shows the JLV Toolbar with the following elements:



- System Status:** A dropdown menu showing a warning icon and the text "Services are not available to JLV."
- Details:**
 - VA Patient Identity Service is unavailable. Patient search may not be available and VA and community partner data may not display.
 - The connection to DoD is unavailable. DoD patient records of all types from all sites may not display.
 - Text: "Technical staff are aware of the problem and working to resolve it. Thank you for your patience."
- Toolbar:** Contains icons for a warning, a list, a printer, a refresh, a window, and a close button.
- Table:**

Order	Stop Date	Site
		IPO4

3.1.5. Patient Context Management

Clinical Context Management (CCOW) is a way for applications to synchronize the display of clinical context, based on the Health Level 7 (HL7) CCOW standard. If CCOW-compliant applications are sharing context and one of the applications changes the data display to a different patient, the other applications switch to display that same patient.

JLV is context management enabled. When context is enabled, a patient change made in one context-enabled application (i.e., CPRS) triggers the same change in JLV. The same effect is shown vice versa; that is, when a patient is selected in JLV, it triggers a patient change in other context-enabled applications.

Context management is enabled by default, and JLV attempts to connect to the context vault upon a valid login. The context status appears on the portal toolbar. When context is established,  is shown. When context is suspended,  is shown.


[Figure 15](#) shows the context indicator location on a JLV portal page. Context is suspended in this example.

Figure 15: Context Indicator



3.1.5.1. Suspending Context

Context can be manually suspended.

1. Click .
2. The CCOW warning message, “Are you sure you want to break patient link?” appears ([Figure 16](#)).
3. Click **Yes** to continue.


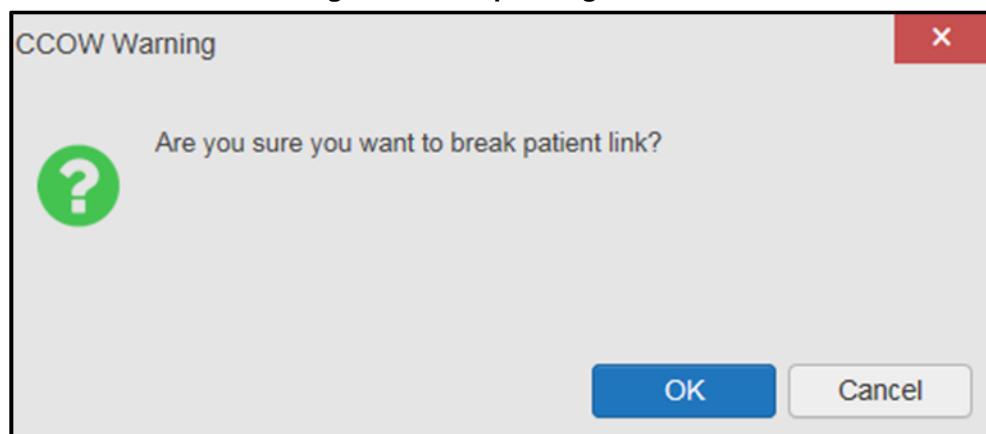

Once context is suspended,  displays on the portal pages. When context is suspended, patient changes are not reflected in either JLV or other CCOW-enabled applications.

Figure 16: Suspending Context



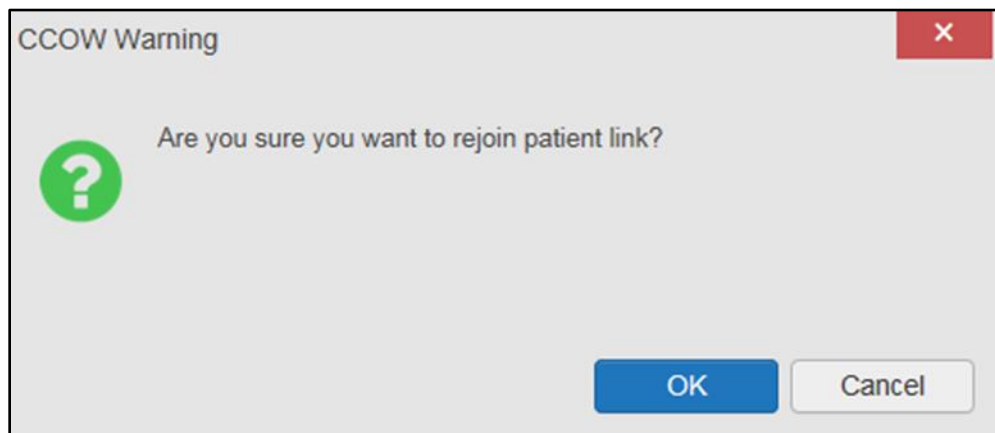
3.1.5.2. Establishing Context

When context is suspended, it can be reestablished manually.

1. Click 
2. The CCOW warning message, “Are you sure you want to rejoin patient link?” appears ([Figure 17](#))
3. Click **Yes**

Once context is established,  displays on the portal pages.

Figure 17: CCOW Warning Message



3.1.5.3. Unable to Communicate with Vault


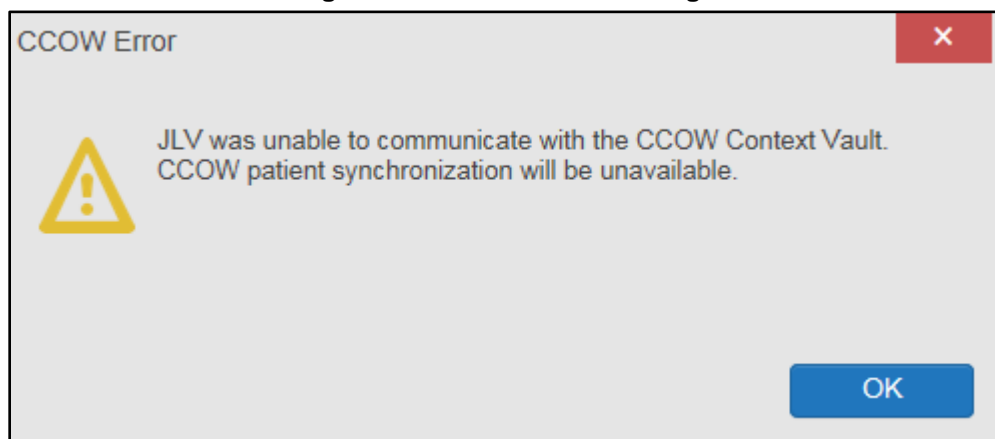

If JLV is unable to initiate context management upon log in, you see the CCOW Error message ([Figure 18](#)). Click **OK** to continue.  displays on the portal pages. If the CCOW error persists, contact your local service desk for assistance.

Figure 18: CCOW Error Message



 **NOTE:** This error message automatically displays if you have more than one active JLV session open.

3.1.5.4. Context Synchronization Failure


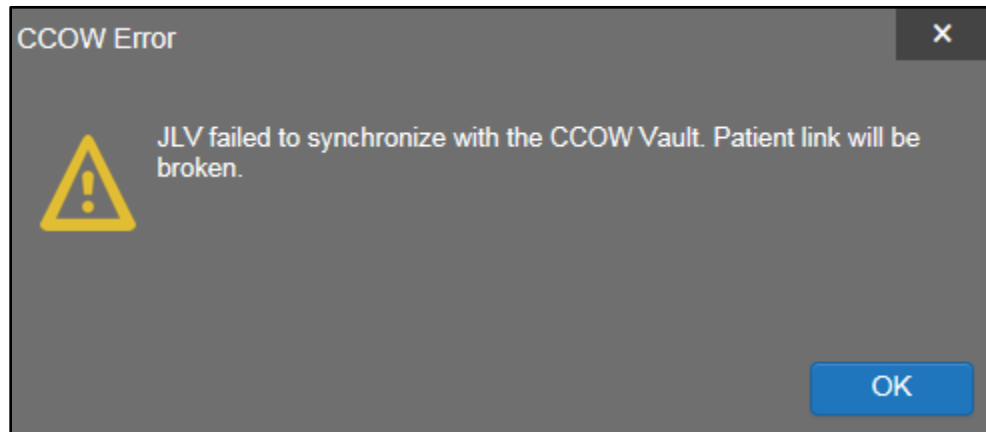
A CCOW error message is presented if JLV is unable to reestablish context ([Figure 19](#)). This indicates context is suspended. Click **OK** to continue.  displays on the portal pages. CAPRI-Claims users may encounter this error message at each log in, as there are usually no CCOW system components installed on their computers.

Figure 19: Context Synchronization Failure



3.2. Customizing JLV

Configuration options can be set in the **JLV Settings** dialog ([Figure 20](#)). These settings are saved to your user profile and persist.


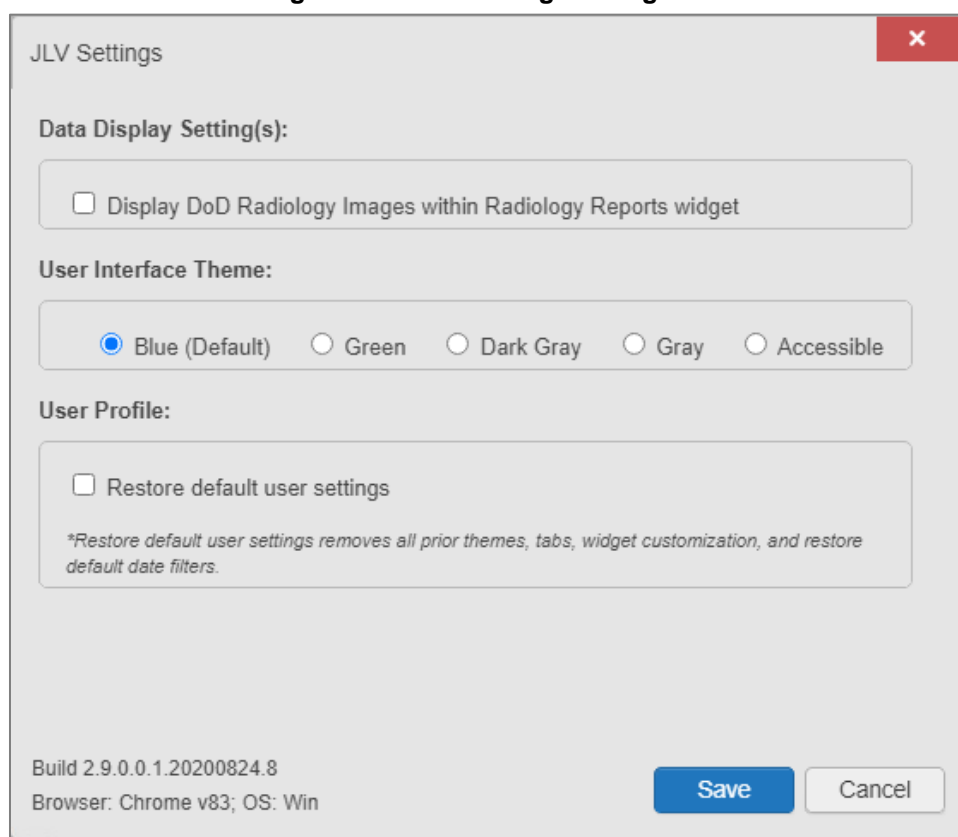
1. Click the **Edit Profile** link on the **Login** page ([Figure 6](#)) or  on the portal pages ([Figure 10](#))
 - a. The **JLV Settings** dialog box opens
2. (Optional) Select the data display setting checkbox
3. Select the radio button next to the desired theme
4. Click **Save** to apply the selected data display setting and/or theme **OR**
5. Click **Cancel** to exit the dialog box and restore the previous data display and/or theme configuration

Figure 20: JLV Settings Dialog Box

The image shows a 'JLV Settings' dialog box with a title bar and a close button (X). It contains three sections: 'Data Display Setting(s):' with a checkbox for 'Display DoD Radiology Images within Radiology Reports widget'; 'User Interface Theme:' with radio buttons for 'Blue (Default)', 'Green', 'Dark Gray', 'Gray', and 'Accessible'; and 'User Profile:' with a checkbox for 'Restore default user settings'. A note below the checkbox states: '*Restore default user settings removes all prior themes, tabs, widget customization, and restore default date filters.' At the bottom, it shows 'Build 2.9.0.0.1.20200824.8' and 'Browser: Chrome v83; OS: Win', along with 'Save' and 'Cancel' buttons.

i **NOTE:** Changing the data display setting or UI theme will require you to reselect and reload the current patient.





You may reset your user profile to JLV defaults by selecting the **Restore Default User Settings** checkbox and then the **Save** button in the **JLV Settings** dialog. This feature resets the theme and data display to default; removes any custom tabs; and resets all widgets to their default configurations, which removes any custom sort or filter settings.

3.2.1. About Data Display Settings

The data display setting is part of your user profile. The data display setting enables you to specify whether to include DOD radiology images. This option is disabled by default.

JLV displays data source indicators in the **Site** columns of individual widgets ([Figure 21](#)). A blue circle indicates VA data; an orange square indicates DOD data; a purple hexagon indicates community partner data (if enabled); and a green triangle indicates Cerner Millennium Federal Electronic Health Record (FEHR) data ([Table 3](#)). Hovering over individual data source indicators provides more specific information about the data source.

Table 3: Data Sources

Icon	Sources	Hover information	Data Supplied
 XXX XXX = the three-letter VistA site abbreviation	CPRS/VistA system data	VA: location Examples: <ul style="list-style-type: none">• VA: Walla Walla, WA• VA: Central Texas HCS¹	Supplies all records from CPRS/VistA for all sites. These records will remain available even after a site transitions to VA EHRM (Cerner).
 DoD	CHCS ² (CDR ³), AHLTA ⁴ , Essentris, TMDS ⁵ , various clinical applications	DOD source system : Full name of DOD Medical Treatment Facility Examples: <ul style="list-style-type: none">• CDR: Fairchild AFB⁶• AHLTA: JB⁷ San Antonio	Supplies all records from all sites from all DOD facilities for all legacy applications. These records will remain available even after a site transitions to MHS GENESIS (Cerner).
 FEHR	DOD MHS GENESIS (Cerner) and VA EHRM (Cerner) records stored in Cerner Millennium	FEHR: VA or DOD facility name/location Examples: <ul style="list-style-type: none">• FEHR: Spokane, WA• FEHR: Madigan AMC⁸	Supplies records from VA and DOD facilities that have migrated to the new Federal EHR, called MHS GENESIS in DOD and VA EHRM (Cerner) in VA.
 Name Name = Community Partner name	All DOD and VA Community Partners (VHIE/VLER ⁹), Sequoia Project and DOD Health Information Exchange)	Federal HIE ¹⁰ : Community Partner Organization Name Examples: <ul style="list-style-type: none">• Federal HIE: UC¹¹ San Diego• Federal HIE: Mayo Clinic	Supplies continuity of care documents, care summaries, and notes when provided by partners. Partner capabilities and responses vary.

3.2.2. About UI Themes

The UI theme setting is also part of your user profile. Choosing a UI theme sets the font, foreground, and background colors of the widgets, toolbars, and dialog boxes. Once selected, the UI theme is stored in your user profile and remains set until you change it. The available UI themes are Blue (Default), Green, Dark Gray, Gray, and Accessible (508-compliant).

¹ Health Care System

² Composite Health Care System

³ Clinical Data Repository

⁴ Armed Forces Health Longitudinal Technology Application

⁵ Theater Medical Data Store

⁶ Air Force Base

⁷ Joint Base

⁸ Army Medical Center

⁹ Virtual Lifetime Electronic Record

¹⁰ Health Information Exchange

¹¹ University of California

Figure 21: Blue (Default) UI Theme¹²

The screenshot displays the JLV Patient Portal in its default blue theme. The top navigation bar includes links for Patient Search, Provider Portal, and Patient Portal. Below this, a 'Commonly Used Widgets' section is visible. The main content area is organized into several panels: a patient profile panel on the left showing personal information like SSN, Age (74), DOB, Race (White), and Birth Sex (M); a 'Problem List (64)' panel in the center showing a table of medical conditions; an 'Outpatient Medications (2)' panel on the right showing active medications; and a 'Lab Results (2)' panel at the bottom right showing recent lab tests. A footer bar indicates 'FOR OFFICIAL USE ONLY (FOUO)'.

Figure 22: Green UI Theme

The screenshot displays the JLV Patient Portal in its green theme. The layout and content are identical to Figure 21, showing the same patient profile, problem list, outpatient medications, and lab results panels. The top navigation bar and footer bar are also present, with the footer indicating 'FOR OFFICIAL USE ONLY (FOUO)'.

¹² Primary Care Provider (PCP), Patient-Aligned Care Team (PACT), Social Security Number (SSN), Date of Birth (DOB)

Figure 23: Dark Gray UI Theme

The screenshot displays the JLV system interface in a dark gray theme. The top navigation bar includes the JLV logo, a search icon, and links for Patient Search, Provider Portal, and Patient Portal. Below this is a section for flags and commonly used widgets. The main content area is divided into several panels:

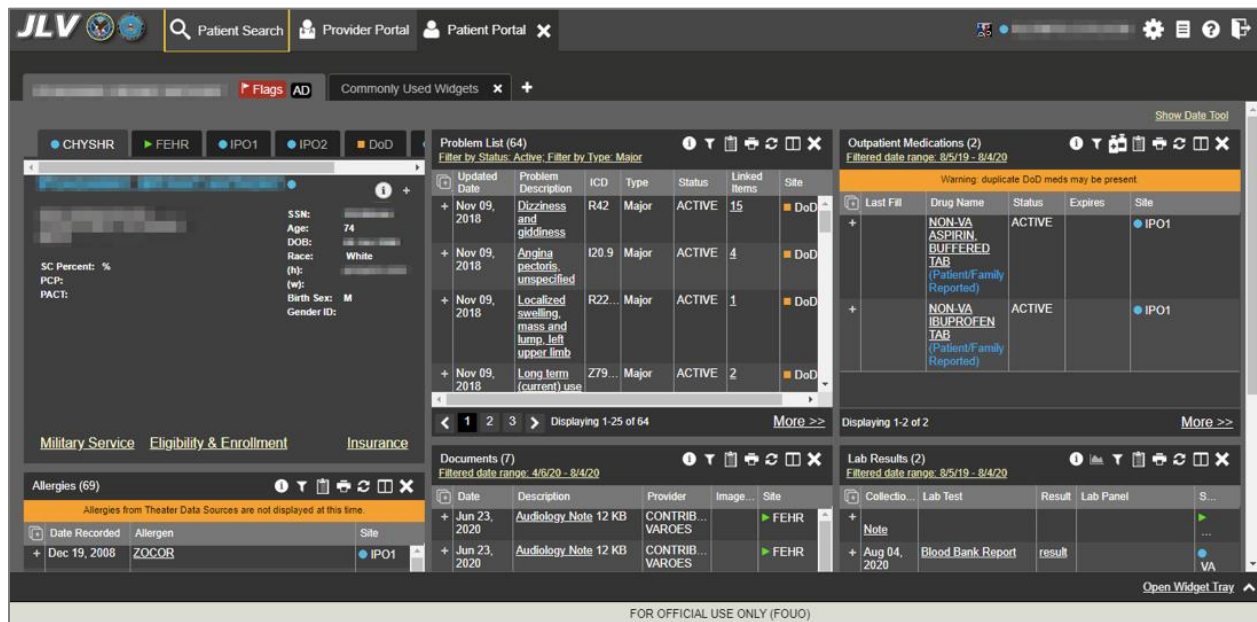
- Left Panel:** Contains patient demographics (SSN, Age: 74, DOB, Race: White, Birth Sex: M, Gender ID) and tabs for Military Service, Eligibility & Enrollment, and Insurance.
- Problem List (64):** A table with columns: Updated Date, Problem Description, ICD, Type, Status, Linked Items, and Site. It lists several medical conditions like Diabetes and hypertension.
- Outpatient Medications (2):** A table with columns: Last Fill, Drug Name, Status, Expires, and Site. It shows medications like NON-VA ASPIRIN and NON-VA BUPROFEN TAB.
- Allergies (69):** A table with columns: Date Recorded, Allergen, and Site. It lists allergies such as ZOCOR, Tetracyclines, and Sulfonamides.
- Documents (7):** A table with columns: Date, Description, Provider, Image, and Site. It shows audiology notes.
- Lab Results (2):** A table with columns: Collectio..., Lab Test, Result, Lab Panel, and S... It shows a blood bank report.

The bottom of the screen features a footer with the text "FOR OFFICIAL USE ONLY (FOUO)" and a link to "Open Widget Tray".

Figure 24: Gray UI Theme

The screenshot displays the JLV system interface in a light gray theme. The layout is identical to Figure 23, but the color scheme is lighter. The top navigation bar, flags section, and main content panels (Patient Demographics, Problem List, Outpatient Medications, Allergies, Documents, and Lab Results) are all rendered in a light gray color palette. The footer remains the same, with "FOR OFFICIAL USE ONLY (FOUO)" and the "Open Widget Tray" link.

Figure 25: Accessible (508-Compliant) UI Theme



3.2.3. Using the Accessible Theme's Functionality

The Accessible theme includes larger fonts, enhanced tab and keystroke functionality, and screen reader compatibility in compliance with Federal accessibility requirements and Section 508 standards.

i NOTE: The Accessible theme is available for users who have adaptive technologies installed on their computers.

3.2.3.1. Keyboard Focus and Portal Navigation

Keyboard focus is the highlighting of a portal element, field, or control that enables interaction with, and navigation of, JLV using the keyboard and keystrokes. The item in focus is outlined in gold as a visual indicator of the element, field, or control with keyboard focus that receives information typed on the keyboard.

JLV uses common Windows keystrokes (Tab, Shift + Tab, arrow keys, Enter), and keyboard shortcuts to move the focus to all menus, and activate all functions on the menus. All user interface items are accessible via the keyboard under the **Accessible** theme.






Pressing **Enter** or the **Spacebar** when an element that provides action is in keyboard focus performs the associated action; for example, pressing **Enter** or the **Spacebar** when the  is in focus opens the **JLV Settings** dialog box. Using the arrow keys or the **Tab** key moves between keyboard focus items to navigate through screen elements. [Table 4](#) provides a complete list of accessible keystrokes.

Table 4: Accessible Theme Keyboard Shortcuts

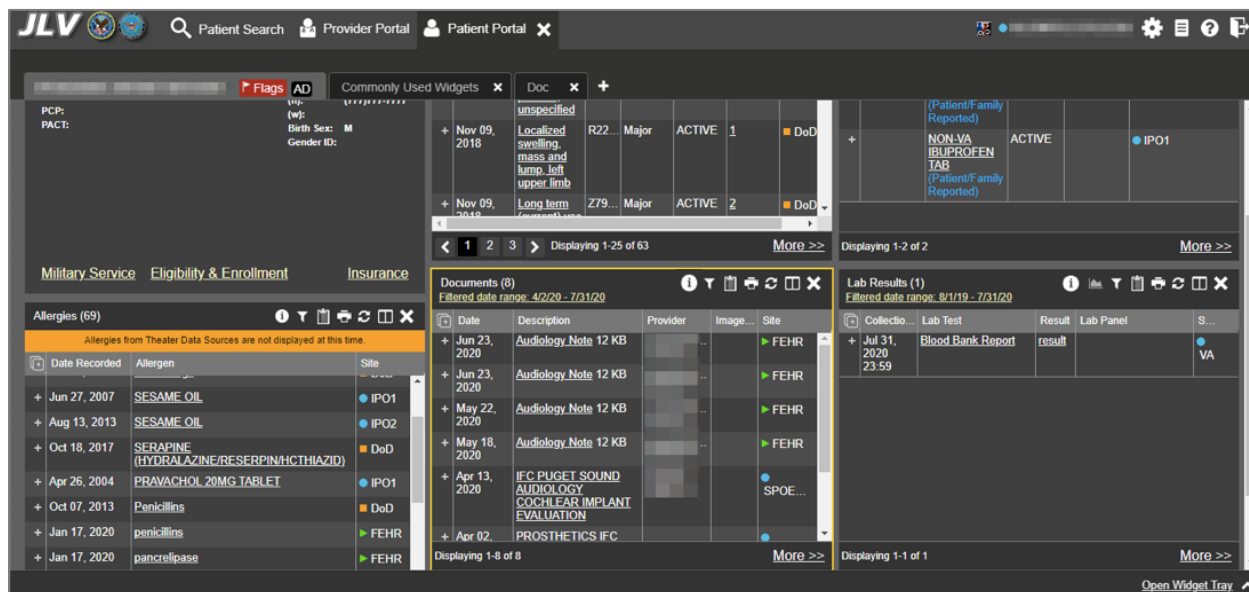
Keystroke	Description
Portal & Widget Navigation	
ALT + 4	Press to transfer keyboard focus to the main or top screen element 1) Focus transfers to  Patient Search or the patient tab in the Demographics widget on a portal page 2) Focus transfers to the More>> link in a widget 3) Focus transfers to  in a dialog box
ENTER	Press to initiate the action associated with the item in focus.
TAB	Press to transfer keyboard focus to other user interface items.
ESC	Press to return keyboard focus to the panel containing the user interface item with keyboard focus or to exit a window, widget, or tab.
SPACEBAR	Press to activate any user interface item (for example, click a button).
Arrow Keys	When focused on a widget, press the arrow keys to change page viewing in a widget's data table. When focused on a dropdown list, press the down arrow key to view list contents.
Ctrl + d	Place keyboard focus on a reference or row within the References widget on the  Provider Portal and press Ctrl + d to remove the reference URL. Removing a default reference is not allowed.
Ctrl + f	Use standard browser find functionality to search text in the active window.
Portal Tabs	
Arrow Keys	Use the left and right arrow keys to change tab panels.
TAB	1) Press Tab until  is in focus 2) Press Enter 3) The new tab dialog box opens and prompts you to enter a name for the new tab 4) Tab to the Add button to confirm the new tab name or tab to the Cancel button to discard the new tab
Windows or Dialog Boxes	
TAB	Press to transfer keyboard focus to other user interface items within the window or dialog box.
Adding Widgets to a Portal Page	
Number position	Add a widget to a portal page from the widget tray: 1) Determine in which column (1, 2, or 3) to place the widget 2) Focus on the desired widget icon in the widget tray 3) Press Alt + 1, 2, or 3 , depending on the column chosen

3.2.3.2. Accessible Theme Portal Navigation

An element with keyboard focus is the starting point for portal navigation. Pressing the **Enter** or **Spacebar** keys when a screen element or icon has keyboard focus mimics a mouse click.

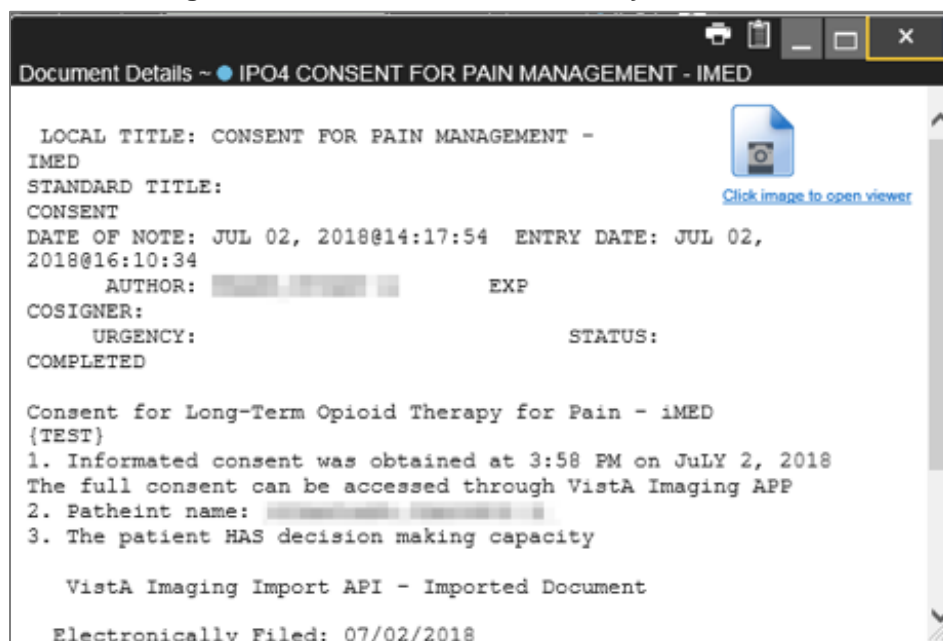
[Figure 26](#) depicts the **Documents** widget with keyboard focus. Focus can be changed by pressing the **Tab** key. Pressing the **Tab** key in this example shifts the keyboard focus from the **Documents** widget to the widget immediately below the **Documents** widget. Pressing the **Tab** key again shifts the keyboard focus to the widget at the top of the next column.

Figure 26: Navigation Using Elements with Keyboard Focus



The **Document** details window has keyboard focus in [Figure 27](#). Move through the toolbar buttons by using the arrow keys, or by pressing **Tab**. Move to **X** and press **Enter** to close the details window. After closing the window, keyboard focus returns to the last element that had keyboard focus prior to opening the window.

Figure 27: Document Details with Keyboard Focus



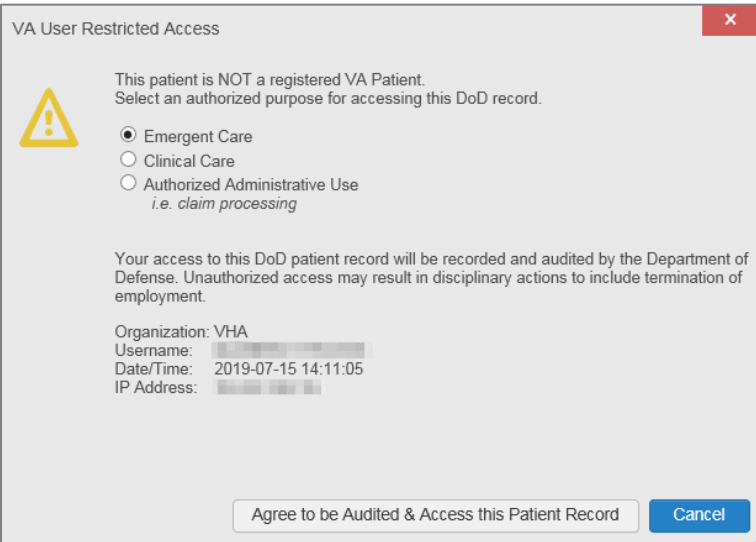
3.3. User-Restricted Access to Patient Data

3.3.1. VHA Users Viewing DOD-only Patient Data

VHA users can view the records of DOD-only patients, meaning they are not registered in MVI, but VA requires that these actions be audited. If an attempt is made to access DOD-only patient records, the VHA user is asked to specify the purpose for access. The purpose options presented to the user are: Emergent Care, Clinical Care, or Authorized Administrative Use ([Figure 28](#)).

Once the purpose for access is selected, clicking **Agree to be Audited & Access this Patient Record** ([Figure 28](#)), displays the requested data, and audits the action. The access purpose, organization of the VA provider, date, username, IP address, user's Internal Entry Number (IEN), host system's ID, and patient's Electronic Data Interchange Personal Identifier (EDIPI) are captured in the audit record.

Figure 28: VA User Restricted Access Dialog



VA User Restricted Access

This patient is NOT a registered VA Patient.
Select an authorized purpose for accessing this DoD record.

☒ Emergent Care
☐ Clinical Care
☐ Authorized Administrative Use
i.e. claim processing

Your access to this DoD patient record will be recorded and audited by the Department of Defense. Unauthorized access may result in disciplinary actions to include termination of employment.

Organization: VHA
Username: [redacted]
Date/Time: 2019-07-15 14:11:05
IP Address: [redacted]

Agree to be Audited & Access this Patient Record Cancel

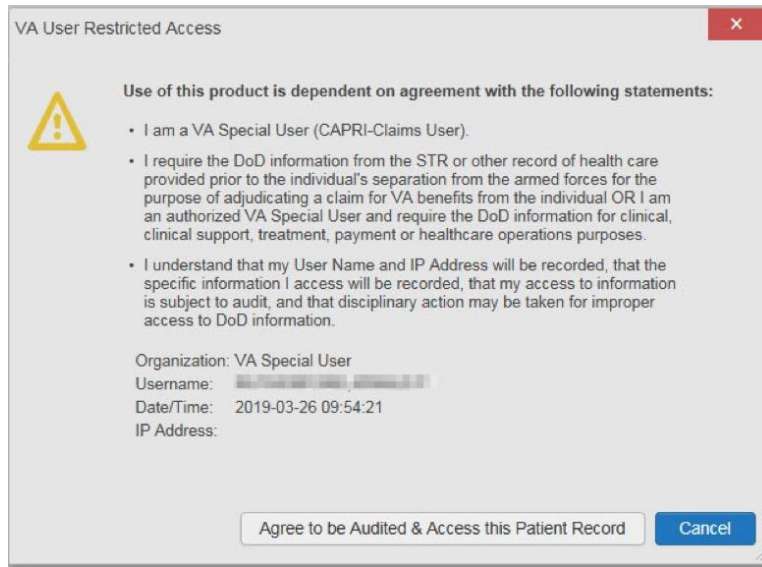
3.3.2. CAPRI-Claims Users Viewing Patients with DOD Data

CAPRI-Claims users may see one of two different dialog boxes, depending on whether the patient is registered for care in the VA. If the patient is registered for care in the VA, they are in MVI.

3.3.2.1. Patient Registered in MVI

CAPRI-Claims users are permitted to view the records of a patient who is registered in MVI, but the VA requires that these actions be audited. After performing a patient search and selecting a patient from the search results, a CAPRI-Claims user sees the audit notification ([Figure 29](#)) if the patient they selected is registered in MVI. After agreeing to the audit, the CAPRI-Claims user can access the patient's record.

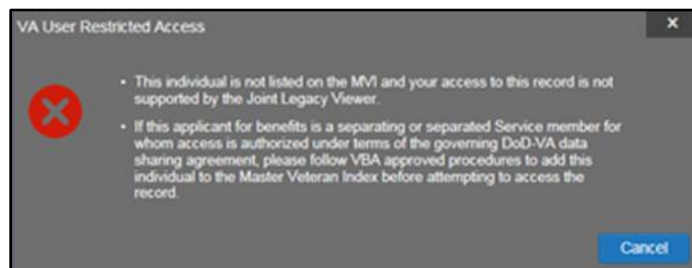
Figure 29: CAPRI-Claims User Audit Notification



3.3.2.2. Patient Not Registered in MVI

CAPRI-Claims users are not permitted to access the records of a patient who is not registered in MVI. After performing a patient search and selecting a patient from the search results, a CAPRI-Claims user sees the restricted access notification ([Figure 30](#)) if the selected patient is not registered in MVI. Clicking **Cancel** returns the user to the previous screen.

Figure 30: Restricted Access Notification



3.3.3. Access to DOD Sensitive Records

All JLV users are audited each time a sensitive DOD record is accessed. Auditing applies to sensitive documents, lab results, outpatient encounters, or progress notes records. JLV records the user's name, organization, SSN/EDIPI (for DOD users), PIV (for VA users), location, patient identifiers (patient last name, first name, middle initial [MI], SSN/EDIPI [DOD only], MVI [VA only], and date of birth [DOB]), data accessed, date and time, and reason for access for each attempt to access sensitive data.

JLV notifies you before you are audited. The message is triggered the first time you click a masked record that is marked **** Sensitive****. Your acknowledgement of the audit notification covers all subsequent DOD sensitive records in any widget during the remainder of the session, and it only expires when you switch patients or log off. An example of a masked record audit notification is depicted in [Figure 31](#).

After you select the purpose for viewing the record and agree to be audited, the sensitive data displays in the **Details** view of the widget.

Figure 31: DOD Sensitive Record and Audit Dialog Box

DoD Sensitive Record

This record is marked sensitive and should only be viewed if necessary, as per the HIPAA principle of minimum use.

Select an authorized purpose for accessing this record.

☒ Emergent Care

☐ Clinical Care



☐ Authorized Administrative Use
i.e. claim processing

You have requested to view sensitive data. This usage is subject to audit and will apply to all other sensitive data viewed for this patient. Do you wish to proceed?

Organization: VA
Username: [redacted]
Date/Time: 2019-06-19 12:32:10
IP Address: [redacted]

Agree to be Audited & Access this Sensitive Record Cancel

3.4. Patient Searches

The core function of JLV is to display patient information on the  **Patient Portal**. Use the  **Patient Search** feature to perform a patient search, perform a family search, or use the advanced search options.

JLV determines which enterprise service to use for a patient search, based upon the search criteria:

- If the EDIPI or Sponsor SSN is entered, JLV utilizes PDWS for the search (See [PDWS Search Rules and Supported Searches](#) for details)
- If the EDIPI or Sponsor SSN fields are empty, JLV utilizes MVI for the search (See [MVI Search Guidelines](#) for details)

3.4.1. PDWS Search Rules and Supported Searches

When JLV utilizes PDWS for patient search, the applicable rules and rule sets required for the PDWS interface must be used:

- **Rule Set 1:** When searching by SSN, the full nine-digit SSN must be entered, and the Last Name or DOB must also be supplied
 - This is true for search by patient SSN as well as Sponsor SSN
- **Rule Set 2:** If you do not have the patient's SSN, you must supply ALL the following identifiers: Last Name, First Name, DOB, and Birth Sex
 - Blanks in any of these four required fields generates an error
- A 10-digit string is required for telephone number

The following search combinations are supported when PDWS is utilized:

- DOD ID, also referred to as the EDIPI
- Patient SSN and Last Name
- Patient SSN and DOB
- Sponsor SSN and Last Name
- Sponsor SSN and DOB
- Last Name, First Name, DOB, and Birth Sex (ALL identifiers must be entered)

3.4.2. MVI Search Guidelines

JLV utilizes MVI for a patient search when the search parameters include the patient's name and SSN. MVI requires the full last name is entered when the patient's SSN is entered. MVI may also require entering the patient's first name and DOB to increase the efficiency of the search, and the likelihood of locating the patient. An example would be searching for a patient with a common last name, such as Smith or Jones.

3.4.3. Patient Search Using DOD ID


1. Click  **Patient Search**
 - a. The **Patient Search** dialog opens
2. Enter the 10-digit patient DOD ID (EDIPI) in the **DOD ID** field ([Figure 32](#))

Figure 32: DOD ID (EDIPI) Search¹³

Patient Search

DoD ID:

OR


SSN: OR Sponsor SSN:

* Last Name: First Name:


[<< Show Advanced Search Options](#)

* When searching by SSN, Last Name or DOB is required.

Name	SSN	Date of Birth	Birth Sex	SIGI
			M	O

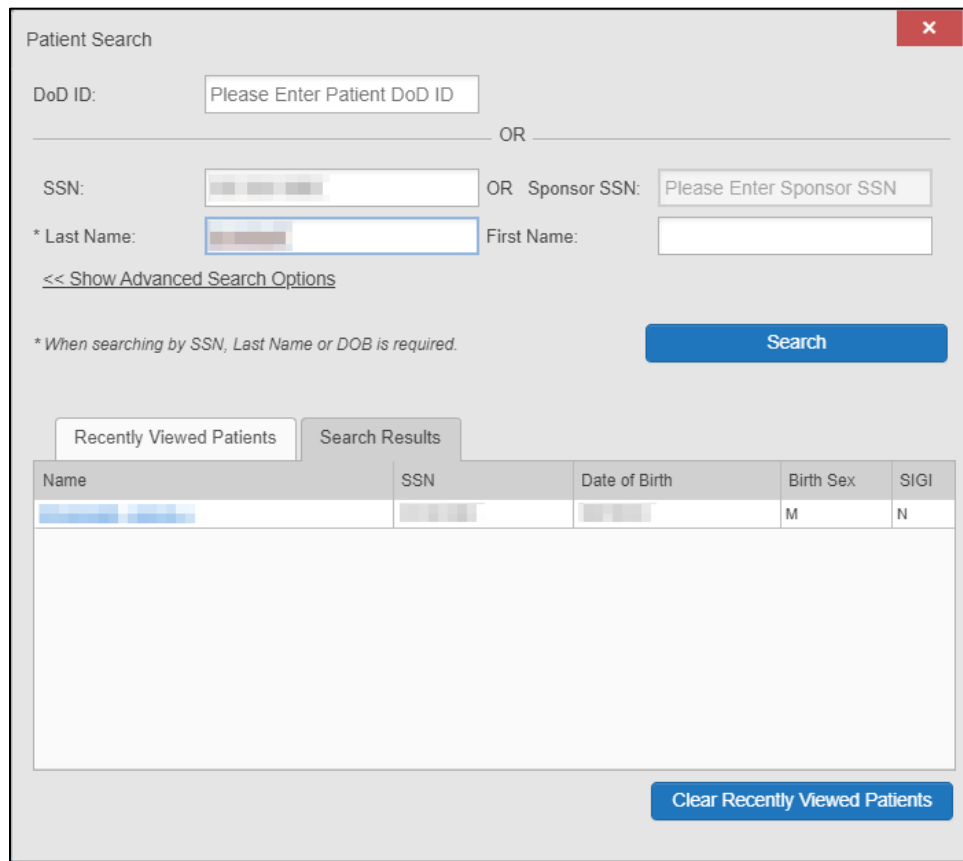
3. Click **Search**
 - a. The search results display on the **Search Results** tab
4. Click a patient's name in the search results list to open the associated record
 - a. The **Name, SSN, DOB, Birth Sex, and SIGI** columns in the results list provide information to assist with patient identification
5. After selecting a patient, the  **Patient Portal** opens and displays the selected patient's data

3.4.4. Patient Search Using SSN

1. Click  **Patient Search**
 - a. The **Patient Search** dialog box opens
2. Enter the patient's full, nine-digit SSN in the **SSN** field ([Figure 33](#))
 - a. When searching by SSN, either the last name or the DOB *must* be entered to perform the search

¹³ Self-Identified Gender Identity (SIGI)

Figure 33: SSN Search



The Patient Search dialog box contains the following elements:

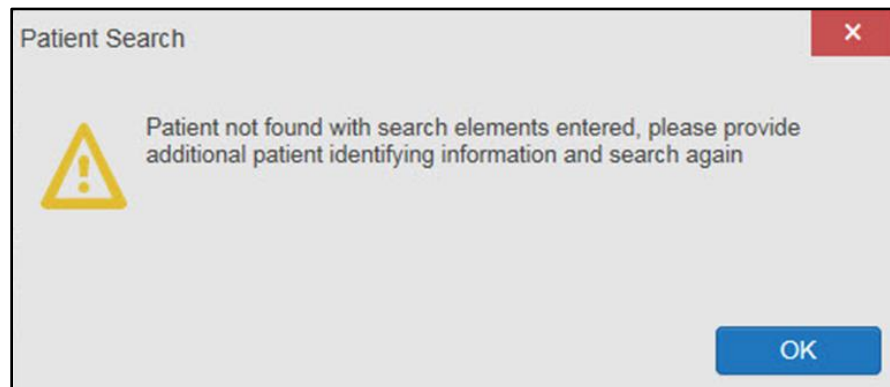
- DoD ID:** A text input field with placeholder text "Please Enter Patient DoD ID".
- OR**: A separator between the DoD ID and SSN fields.
- SSN:** A text input field with placeholder text "Please Enter Patient SSN".
- Sponsor SSN:** A text input field with placeholder text "Please Enter Sponsor SSN".
- * Last Name:** A text input field with placeholder text "Please Enter Last Name".
- First Name:** A text input field with placeholder text "Please Enter First Name".
- << Show Advanced Search Options**: A link to expand search options.
- * When searching by SSN, Last Name or DOB is required.**: A note indicating required fields.
- Search**: A blue button to execute the search.
- Recently Viewed Patients** and **Search Results**: Two tabs for displaying results.
- Table:** A table with columns: Name, SSN, Date of Birth, Birth Sex, and SIGI. It contains one row of data.
- Clear Recently Viewed Patients**: A blue button to clear the recently viewed list.

Name	SSN	Date of Birth	Birth Sex	SIGI
[Redacted]	[Redacted]	[Redacted]	M	N

3. Click **Search**

- If the required patient identifiers are not provided, hover text appears, indicating the information necessary to complete the patient search
- If a match of patient names cannot be made, enter additional identifiers (first name, DOB) to refine the search ([Figure 34](#))


Figure 34: Additional Identifiers Needed



The Patient Search dialog box displays an error message:

- Warning Icon:** A yellow triangle with an exclamation mark.
- Message:** "Patient not found with search elements entered, please provide additional patient identifying information and search again".
- OK**: A blue button to dismiss the message.

4. The search results display on the **Search Results** tab

5. Click a patient's name in the search results list to open the associated record
 - a. The **Name, SSN, DOB, Birth Sex, and SIGI** columns in the results list provide information to assist with patient identification
6. After selecting a patient, the  **Patient Portal** opens and displays the selected patient's data

3.4.5. Advanced Patient Search Options

Advanced patient search options in the **Patient Search** dialog box allow for the use of additional patient identifiers when performing a patient search.


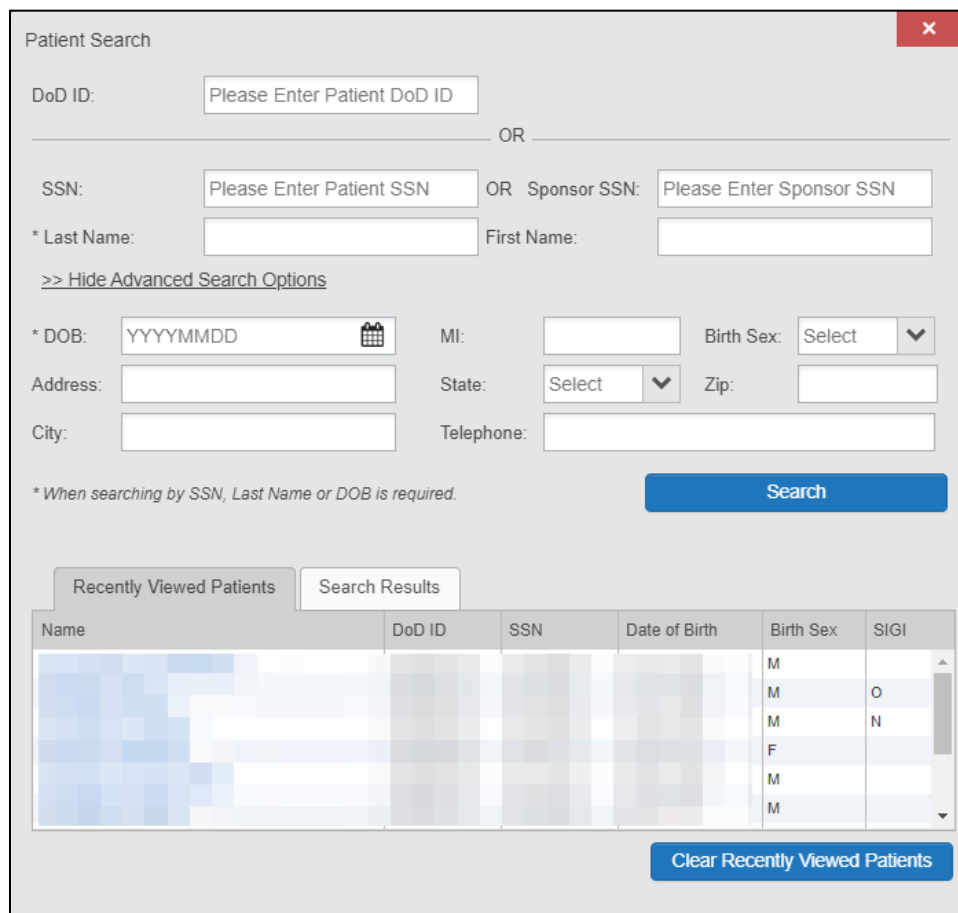

1. Click  **Patient Search**
 - a. The **Patient Search** dialog box opens
2. Click the [<<Show Advanced Search Options](#) link under the ***Last Name** field (seen in [Figure 33](#))
3. Enter the patient identifiers in the appropriate search fields, as desired
 - a. Advanced search option fields include ***DOB, MI, Birth Sex, Address, State, City, Zip,** and **Telephone** (seen in [Figure 35](#))

Figure 35: Advanced Search Options



The screenshot shows the 'Patient Search' dialog box with a red close button in the top right corner. The search criteria section includes fields for 'DoD ID', 'SSN', 'Sponsor SSN', '* Last Name', and 'First Name'. Below these is a link '>> Hide Advanced Search Options'. The advanced search section includes fields for '* DOB' (with a calendar icon), 'MI', 'Birth Sex' (a dropdown menu), 'Address', 'State' (a dropdown menu), 'Zip', 'City', and 'Telephone'. A blue 'Search' button is located below these fields. A note states: '* When searching by SSN, Last Name or DOB is required.' At the bottom, there are two tabs: 'Recently Viewed Patients' and 'Search Results'. The 'Search Results' tab is active, displaying a table with columns: Name, DoD ID, SSN, Date of Birth, Birth Sex, and SIGI. The table contains six rows of data, with the first row showing a blurred name, a DoD ID, an SSN, a date of birth, 'M' for Birth Sex, and 'O' for SIGI. A blue button 'Clear Recently Viewed Patients' is located at the bottom right of the dialog box.

Name	DoD ID	SSN	Date of Birth	Birth Sex	SIGI
[Blurred]	[Blurred]	[Blurred]	[Blurred]	M	O
[Blurred]	[Blurred]	[Blurred]	[Blurred]	M	N
[Blurred]	[Blurred]	[Blurred]	[Blurred]	F	
[Blurred]	[Blurred]	[Blurred]	[Blurred]	M	
[Blurred]	[Blurred]	[Blurred]	[Blurred]	M	

4. Click **Search**
 - a. If the required patient identifiers are not provided, hover text appears, indicating the information necessary to complete the patient search
 - b. The search results display on the **Search Results** tab
5. Click a patient's name in the search results list to open the associated record
 - a. The **Name**, **SSN**, **DOB**, **Birth Sex**, and **SIGI** columns in the results list provide information to assist with patient identification
6. After selecting a patient, the  **Patient Portal** opens and displays the selected patient's data

3.4.6. Family Member Search

A family member search can be performed using the **Sponsor SSN** field in the **Patient Search** dialog box.


1. Click  **Patient Search**
 - a. The **Patient Search** dialog box opens
2. Enter the SSN in the **Sponsor SSN** field
 - a. The **Last Name** or **DOB** of the patient must also be entered in the appropriate fields ([Figure 36](#))
3. Click **Search**
 - a. If the required patient identifiers are not provided, hover text appears indicating the information necessary to complete the patient search
 - b. The search results display on the **Search Results** tab ([Figure 36](#))

Figure 36: Sponsor SSN Search

The screenshot shows a 'Patient Search' dialog box with a red close button in the top right corner. The search criteria section includes a 'DoD ID' field with a placeholder 'Please Enter Patient DoD ID', followed by an 'OR' separator. Below this are fields for 'SSN' (placeholder: 'Please Enter Patient SSN'), 'Sponsor SSN' (with a masked input), 'Last Name' (with a masked input), and 'First Name' (empty). A link '<< Show Advanced Search Options' is present. A note states '* When searching by SSN, Last Name or DOB is required.' A blue 'Search' button is on the right. Below the search section are two tabs: 'Recently Viewed Patients' and 'Search Results'. The 'Search Results' tab is active, displaying a table with columns: Name, SSN, Date of Birth, Birth Sex, and SIGI. The table contains one row with masked data for Name, SSN, and Date of Birth, and 'F' for Birth Sex. A large empty area is below the table. A blue button 'Clear Recently Viewed Patients' is at the bottom right.

Patient Search

DoD ID:

OR

SSN: OR Sponsor SSN:

* Last Name: First Name:

[<< Show Advanced Search Options](#)

* When searching by SSN, Last Name or DOB is required.

Name	SSN	Date of Birth	Birth Sex	SIGI
			F	


4. Click a name in the **Search Results** list
 - a. The **Family Members** dialog opens ([Figure 37](#))
 - b. The sponsor's identifiers and a list of dependents display in the dialog
5. Click a name in the list of family members to open the associated record
6. After selecting a patient, the  **Patient Portal** opens and displays the selected patient's data

Figure 37: Family Members Dialog Box

Family Members

Sponsor:

Name SSN Date of Birth Birth Sex

F

Name	DoD ID	SSN	Date of Birth	Birth Sex	SIGI
				M	
				M	

Cancel

3.4.7. Recently Viewed Patients List

Users who have previously logged in to JLV, searched for a patient, and viewed that patient's records can see and access a list of recently viewed patients. A recent patient is defined as a patient whose record has been viewed (opened) by the user.

i **NOTE:** The **Recently Viewed Patients** list does not include search history or recent search results, only a list of patients whose data was accessed and viewed. The list is limited to 10 patients. You can clear this list by selecting the **Clear Recently Viewed Patients** button.

1. Click **Patient Search**
 - a. The **Patient Search** dialog box opens
2. Click the **Recently Viewed Patients** tab in the **Patient Search** dialog box
 - a. A list of recently viewed patients displays ([Figure 38](#))
 - b. The **Name**, **DOD ID**, **SSN**, **DOB**, **Birth Sex**, and **SIGI** columns in the results list provide information to assist with patient identification
3. Click a patient's name in the **Recently Viewed Patients** list to open the associated record
4. After selecting a patient, the **Patient Portal** opens and displays the selected patient's data

Figure 38: Recently Viewed Patients List

The screenshot shows a 'Patient Search' window with a search bar and several input fields. Below the search fields, there is a 'Recently Viewed Patients' tab and a 'Search Results' tab. The 'Recently Viewed Patients' tab is active, displaying a table with columns: Name, DoD ID, SSN, Date of Birth, Birth Sex, and SIGI. The table contains several rows of patient data, with the first row showing a patient with a blue background. A 'Clear Recently Viewed Patients' button is located at the bottom right of the table.

Name	DoD ID	SSN	Date of Birth	Birth Sex	SIGI
[Redacted]	[Redacted]	[Redacted]	[Redacted]	M	
[Redacted]	[Redacted]	[Redacted]	[Redacted]	M	O
[Redacted]	[Redacted]	[Redacted]	[Redacted]	M	N
[Redacted]	[Redacted]	[Redacted]	[Redacted]	F	
[Redacted]	[Redacted]	[Redacted]	[Redacted]	M	
[Redacted]	[Redacted]	[Redacted]	[Redacted]	M	
[Redacted]	[Redacted]	[Redacted]	[Redacted]	M	
[Redacted]	[Redacted]	[Redacted]	[Redacted]	M	
[Redacted]	[Redacted]	[Redacted]	[Redacted]	M	

4. Widgets

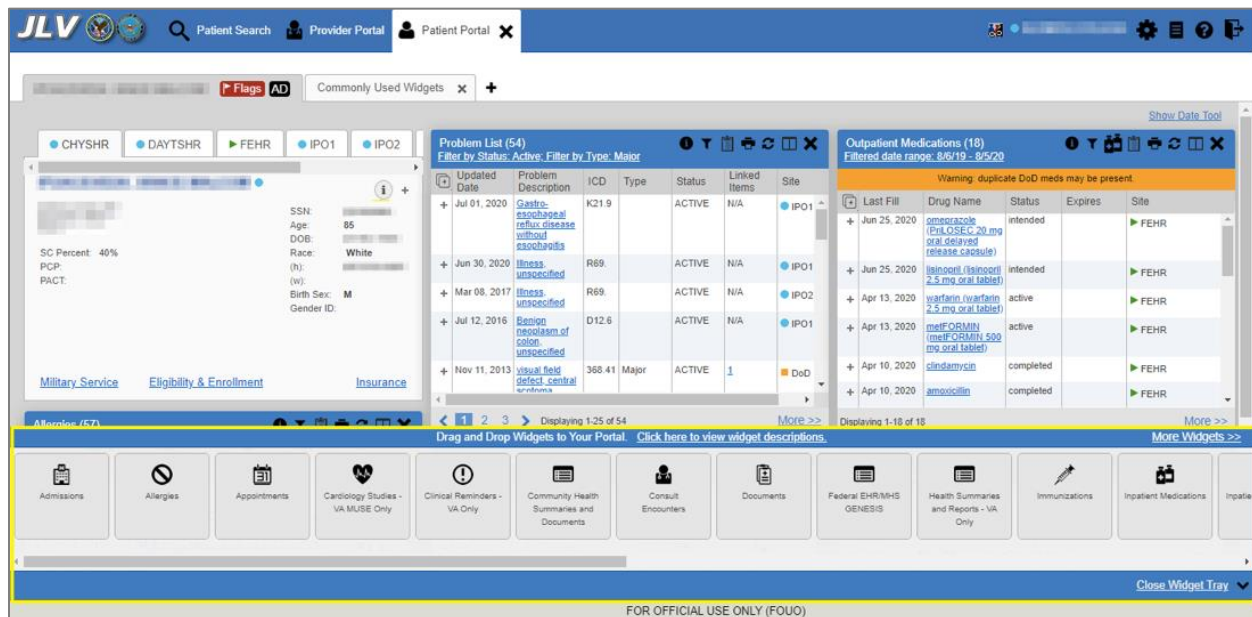
Widgets are elements on the JLV portal pages that display data specific to a clinical domain. By default, widgets are displayed in minimized view on the portal pages ([Figure 21](#)), but they can be expanded to view additional details. Available widgets are listed in and launched from the widget tray.

i **NOTE:** Widgets may take anywhere between 10 seconds to 90 seconds to load, depending on the date range settings.

4.1. Accessing and Opening Widgets

All available widgets display in the widget tray ([Figure 39](#)). Hover over a widget icon to view a description of the widget. Widgets can be opened, rearranged, and closed. JLV can display up to 12 widgets per tab.

Figure 39: Widget Tray



1. Open the widget tray by clicking the **Open Widget Tray** link
2. Use the scroll bar arrows < > at either end of the tray to see all widget choices, or click the **More Widgets >>** link to scroll through the list of widgets
3. Click and hold a widget icon in the tray, drag it to the portal page, and drop it in the desired location
 - a. The widget is docked on the portal page and opens in minimized view
4. Close the widget tray by clicking the **Close Widget Tray** link




i NOTE: JLV displays a **Duplicate Widget** notice if you attempt to add another instance of a widget to a tab.



Widgets can be closed (removed from the portal page) by clicking **X**. Rearrange the widgets displayed on the portal page by dragging and dropping them.

4.2. Widget Navigation and Display Options

Each widget has tools and display options available to navigate through, and change, the display of data. The vertical scroll bar allows you to move through, and view, the widget's data. Navigation icons and actions are detailed in [Table 5](#).

Table 5: Navigation Icons and Actions




Navigation Icon	Action	Description
	Changes the focus of the widget to the previous group or page of records within the results display.	Go to Previous Page
	Changes the focus of the widget to the page number selected.	Jump to Page
	Changes the focus of the widget to the next group or page of records within the results display.	Go to Next Page
More >>	Available in minimized views only. Opens the expanded view of the widget in a secondary window.	Go to Expanded View
1-25 of 55	Indicates the number of records displayed in that widget page out of the total number of results for that widget.	Record Display Indicator
Show All/ Show Paged	Click Show All to open all records for a given widget in a scrollable window. Click Show Paged to return to the display of records grouped by pages.	Display Setting











When there are more than 25 records available in a widget, they are grouped in **Show Paged** view. Records 1 through 25 can be viewed by using the widget's vertical scroll bar. Records 26+ can be viewed by using  or  to view to subsequent pages. The expanded view of a widget contains a **Show All** link, which opens all records for that widget, in a scrollable window. Click **Show Paged** to return to the display of records grouped by pages.

4.3. Widget Toolbars

There is a toolbar on both the minimized and expanded views of each widget and most dialog boxes. Toolbar buttons vary by widget, dialog box, and window. [Table 6](#) describes the functionality of each toolbar button.

Table 6: Widget Toolbar Icons

Icon	Name	Function
	Add to Report Builder	Adds the information displayed in the widget to the Report Builder, including any Details or Notes .
	Close	Removes the widget from the portal screen or closes a dialog box.
	Column Settings	Configures the columns within the widget. Turn the columns on or off by checking the column names that appear in the pop-up box and clicking Apply .

Icon	Name	Function
	Configure Filter	Filters on specific record types or other elements within the widget, including a date filter. If a date range filter is applied in an open widget, the date range is displayed in the widget header. NOTE: After setting a filter, the Close Filter option is enabled in the widget. Clicking Close Filter restores the full display of records within the widget.
	Copy to Clipboard	Copies the content of the open window to the clipboard for pasting into another application. Copy to Clipboard is disabled in the widget toolbar after clicking Show All within a widget.
 	Connection Status	Both icons provide a status indicator for DOD and VA data sources.  indicates all sources are available.  indicates one or more data sources are unavailable. Clicking either status icon opens the connection status details in a separate window.
	Print	Prints the contents of the open window. Print is disabled in the widget toolbar after clicking Show All within a widget. NOTE: It is recommended that you have the latest Adobe Reader installed for the Report Builder and other printing features.
	Graph	Opens a dialog to configure the display of multiple data of the same type in a graph.
	Refresh	Refreshes the widget or window display. Only the data within that widget's dataset is updated.
	Rx	Converts the medication data within the widget to text and opens the text in a pop-up window. Available from the Outpatient Medications widget.

4.4. Minimized vs. Expanded Widget View

Each widget can be displayed in either a minimized (default) or an expanded view. Minimized view displays a simple list of the available patient data for a clinical domain, arranged in reverse chronological order by default. Expanded view provides a detailed list of similarly arranged patient data. When the expanded view of a widget is launched, it opens in a new, separate window that displays more attributes of the records in the widget, including additional, sortable columns of data.




NOTE: The **Cardiology Studies—VA MUSE Only, Community Health Summaries and Documents**, and **Federal EHR/MHS GENESIS** widgets do not have an expanded view. Instead, a record opened from the minimized view of the widget is displayed in a new, separate window.

Click the **More >>** link in minimized view to launch expanded view and see the additional display and functionality options.

4.5. Sort and Filter Options

Widgets have a variety of methods to sort and filter data. In general, you can:

- Click a column title to sort records according to data in that column

- If you sort a column that appears in both minimized and expanded views of the widget, the sort saves in your user profile and persists
- If you sort a column that is only in the expanded view of the widget, your next session restores the default widget sort, or the last sort saved to your user profile
- If you sort a **Date** column that has some partial or missing date values, understand:
 - Dates that have month and year but lack a day are treated as though the day were “00” (e.g., July 2018 sorts between June 30, 2018 and July 01, 2018)
 - Dates that have a year only are treated as though the month is January and the day is “00” (e.g., 2018 sorts between December 31, 2017 and January 01, 2018)
- Click  on the widget toolbar to show or hide columns within the widget
 - Check/uncheck the column names that appear in the pop-up dialog box, then click **Apply**

Sort and filter capabilities are specific to the data presented in each widget and may vary between the minimized and expanded views of an individual widget or between widgets. [Table 1](#) lists available filters and their corresponding widgets.

Table 7: Available Widget Filters

Filter By	Widgets
Site	Admissions, Allergies, Appointments, Consult Encounters, Documents, Health Summaries and Reports, Inpatient Medications, Inpatient Summaries, Lab Results, Orders, Outpatient Encounters, Outpatient Medications, Problem List, Procedures, Progress Notes, Questionnaires and Deployment Assessments, Radiology Reports, Surgery/Procedure Reports, Vitals
Site (Reporting)	Immunizations
Provider	Inpatient Summaries, Progress Notes, Surgery/Procedure Reports
Provider Specialty	Appointments, Consult Encounters, Documents, Inpatient Summaries, Orders, Outpatient Encounters, Procedures, Progress Notes
Clinic	Appointments, Outpatient Encounters
Consult Order	Consult Encounters
Description	Documents
Problem Description	Problem List
Standardized Description	Documents, Problem List
Location	Documents ¹⁴ , Inpatient Summaries
Source System	Documents
Vaccine Administered Product Type	Immunizations
Standardized Vaccine Product Type	Immunizations
Drug Name	Inpatient Medications, Outpatient Medications

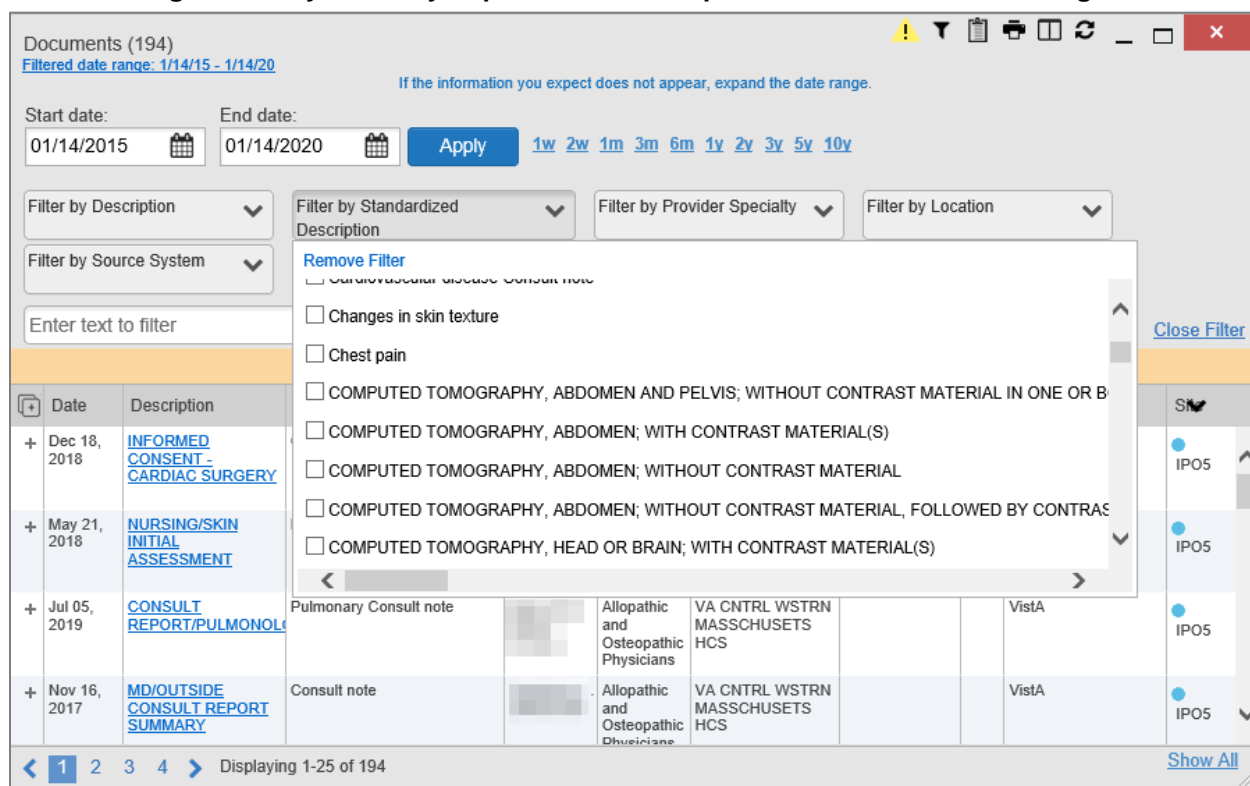
¹⁴ Only available in expanded view

Filter By	Widgets
Standardized Drug Name	Inpatient Medications, Outpatient Medications
Ordering Health Care Provider (HCP) Specialty	Inpatient Medications, Outpatient Medications
Note Type	Inpatient Summaries
Lab Test	Lab Results
Type	Lab Results; Orders; Problem List ¹⁵ ; Procedures; Social, Family, and other Past Histories; Vitals
Standardized Type	Orders, Vitals
Status	Problem List
Document Type/Title	Progress Notes
Standardized Document Type	Progress Notes
Exam	Radiology Reports
Standardized Radiology Exam	Radiology Reports
Standardized Finding	Social, Family, and other Past Histories
Note Title	Surgery/Procedure Reports
Procedure	Surgery/Procedure Reports

Filter dropdowns dynamically expand and sometimes have a horizontal scroll bar to display long lines of data by which records can be filtered ([Figure 40](#)).

¹⁵ Filter applies to DOD data only

Figure 40: Dynamically Expanded Filter Dropdown in the Documents Widget



Some widgets also have the capability to configure data to display multiple records of the same type in a graph or table view.

4.5.1. Widget Date Range Filters


Patient data displayed within a widget can be filtered by date range. If a date range filter is applied, the selected range is indicated in the widget header. Click  or the **Filtered Date Range** link on the widget toolbar to change the date range of the data displayed ([Figure 41](#)).

Figure 41: Date Range Filters Applied



Appointments (7)					Consult Encounters (13)			
Filtered date range: 7/31/18 - 7/31/20					Filtered date range: 7/31/15 - 7/31/20			
Scheduled Date/Time	Clinic	Provider	Site		Date	Consult Order	Status	Site
May 14, 2020 17:00	688 MH Clinic		FEHR		Apr 13, 2020 11:33	IFC PUGET SOUND AUDIOLOGY COCHLEAR IMPLANT EVALUATION	PENDING	SPOEHR03
Mar 15, 2019 13:05	ADMISSION OBS		IPO1		Apr 02, 2020 12:32	PROSTHETICS IFC	PENDING	SPOEHR03
Nov 09, 2018 13:16	Internal Medicine		DoD		Oct 25, 2017 13:03	ENT CONSULT-IN MTF	Complete	DoD
Nov 09, 2018 12:36	Internal Medicine		DoD		Mar 16, 2016 14:21	CARDIOLOGY CONSULTS	Complete	DoD
Nov 09, 2018 11:58	Internal Medicine		DoD		Mar 16, 2016 14:19	ALLERGY CONSULTS	Complete	DoD
Nov 09, 2018 11:25	Internal Medicine		DoD		Mar 15, 2016 19:57	CARDIOLOGY CONSULTS	Complete	DoD
Oct 18, 2018 14:35	Internal Medicine		DoD					
Displaying 1-7 of 7					Displaying 1-13 of 13			
Vitals (11)					Immunizations (47)			
Filtered date range: 7/31/17 - 7/31/20								
Date Taken	Type	Result	Converted ...	Site	Vaccine Administered Date	Vaccine Administered Product Type	Adverse Vaccine Reaction	Site (Reporting)
Date Taken: Sep 01, 2017					Sep 01, 2017	INFLUENZA, HIGH DOSE SEASONAL		IPO2
Sep 01, 2017 11:17	BLOOD PRESSURE	180/20 mm[Hg]		IPO2	Mar 14, 2016	diphtheria, tetanus toxoids and acellular pertussis vaccine		DoD
Sep 01, 2017 11:17	CIRCUMFERENCE/...		Unavailable in	IPO2	Mar 14, 2016	hepatitis A vaccine, pediatric/adolescent dosage, 2 dose schedule		DoD
Sep 01, 2017 11:17	HEIGHT	152.4 cm	60 in	IPO2	Mar 14, 2016	tuberculin skin test, purified protein derivative solution, intradermal		DoD
Sep 01, 2017 11:17	PULSE	Unavailable /min		IPO2	Feb 05, 2016	tuberculin skin test, purified protein derivative, multi-puncture device		DoD
Sep 01, 2017 11:17	PAIN	3		IPO2				
Sep 01, 2017 11:17	PULSE OXIMETRY	90 %		IPO2				
Displaying 1-11 of 11					Displaying 1-25 of 47			

The two ways to filter the date range of data displayed in a widget are the **Quick Date Range** filter and the **Start and End Date** filter. If the expected information does not appear in the widget display, use the date filter options to change the date range.

i **NOTE:** Changes made to the date range in a widget persist from minimized to expanded view, patient to patient, and session to session, until the widget is either removed or the date range is changed.

i **NOTE:** When looking for Essentris information associated with a specific admission in the **Inpatient Summaries** widget, expand your search date ranges to include additional days before and after the admission. This includes preadmission notes as well as notes signed after the patient was discharged in the filtered widget display.

4.5.1.1. Quick Date Range Filter

Use the preset, **Quick Date Range** filter to set or limit the display of patient records within a widget. This option is available by clicking the **Filtered Date Range** link or by clicking  in a widget on the  **Patient Portal**.

Clicking a **Quick Date Range** filter refreshes the data displayed to show only the records for the selected range. Selecting **Cancel**, which is the **Apply** button while the data refresh is running, stops the query. The options represent time counting back from the present day (for example,

selecting 2y displays only records within the last 2 years). Examples of preset date ranges include 1w (last 7 days), 6m (last 6 months), and 3y (last 3 years).

i **NOTE:** The **Quick Date Range** filter is contextual. If today is February 2, 2017, the preset filter counts backwards using that date. If today is April 16, 2017, the preset filter counts backwards using that date.

[Figure 42](#) highlights the **Quick Date Range** filter options in the expanded view of the **Documents** widget.

Figure 42: Quick Date Range Filter Options

Documents (168)
[Filtered date range: 1/14/15 - 1/14/20](#)
 If the information you expect does not appear, expand the date range.

Start date: 01/14/2015 End date: 01/14/2020 Apply **1w 2w 1m 3m 6m 1y 2y 3y 5y 10y**

Filter by Description Filter by Standardized Description Filter by Provider Specialty Filter by Location
 Filter by Source System Filter by Site

Enter text to filter Remove All Filters Close Filter

Documents- this is a banner announcement for this widget.

Date	Description	Standardized Description	Provider	Provider...	Location	Status	Im...	Source System	Site
Jan 10, 2020	Study Report, Patient Qualitative Exercise Stress Test	Exercise stress test study		Allopathic & Osteopathic Physicians-Family Medicine-	4th Medical Group			CDR	DoD
Aug 26, 2019	DIABETIC PATIENT CONSULT REPORT	Diabetology Consult note		Allopathic & Osteopathic Physicians	CHYSQA260			VistA	IPO4
Aug 19, 2019	ADVANCE DIRECTIVE							VistA	IPO5
Aug 19, 2019	ADVANCE DIRECTIVE							VistA	IPO5
Aug 16, 2019	CONSULT							VistA	IPO5

Displaying 1-25 of 168 Show All

4.5.1.2. Start and End Date Filter

Use the **Start Date** and **End Date** filter to display data for a specific time range. Click the **Filtered Date Range** link or .

i **NOTE:** The **Start and End Date** filter is static. If the start date is set to June 2, 2016 and the end date is set to June 2, 2017, the data in that date range displays, no matter what today's date is.

[Figure 43](#) provides an example of the start and end date filter fields in the expanded view of the **Radiology Reports** widget.

Figure 43: Start and End Date Display Filter

Radiology Reports (80)
Filtered date range: 1/14/10 - 1/14/20

If the information you expect does not appear, expand the date range.

Start date: 01/14/2010 End date: 01/14/2020 Apply 1w 2w 1m 3m 6m 1y 2y 3y 5y 10y

Filter by Exam Filter by Site

Enter text to filter

Close Filter

gy reports- this is a banner announcement for this widget.

Date	Exam	CPT Description	Status	Results	Image	Site
Dec 12, 2018	6818787.845...	FLUOROSCOPIC GUIDANCE AND LOCALIZATION OF NEEDLE OR CATHETER TIP FOR SPINE OR PARASPINOUS DIAGNOSTIC OR THERAPEUTIC INJECTION PROCEDURES (EPIDURAL OR SUBARACHNOID) (LIST SEPARATELY IN ADDITION TO CODE FOR PRIMARY PROCEDURE)				IPO4
Dec 12, 2018	6818787.845...	FLUOROSCOPIC GUIDANCE FOR HIP INJECTION				IPO4

Displaying 1-25 of 80 Show All

1. Click next to **Start Date**
2. Select a month, day, and year start date for the display filter
3. Click next to **End Date**
4. Select the month, day, and year end date for the display filter
5. When both a start and end date have been chosen, click **Apply**
6. (Optional) Click **Cancel** to stop the query

i NOTE: Prior day selections persist if you change only the month or year. If you change the month or year and the prior day value does not exist, the calendar will default to the last day of the new month. For example, changing only the month value of an existing August 31, 2018 entry to February would set the date to February 28, 2018 because there are less days in February. Similarly, if you had February 29, 2016 selected, a day which only exists in a leap year, switching the year to 2015 would set the date to February 28, 2015, the last day of the month in a standard year.

The widget refreshes and displays only the records that fall within the custom date range. The date range in use is displayed in the widget header.

4.5.1.3. Tab Date Range Tool

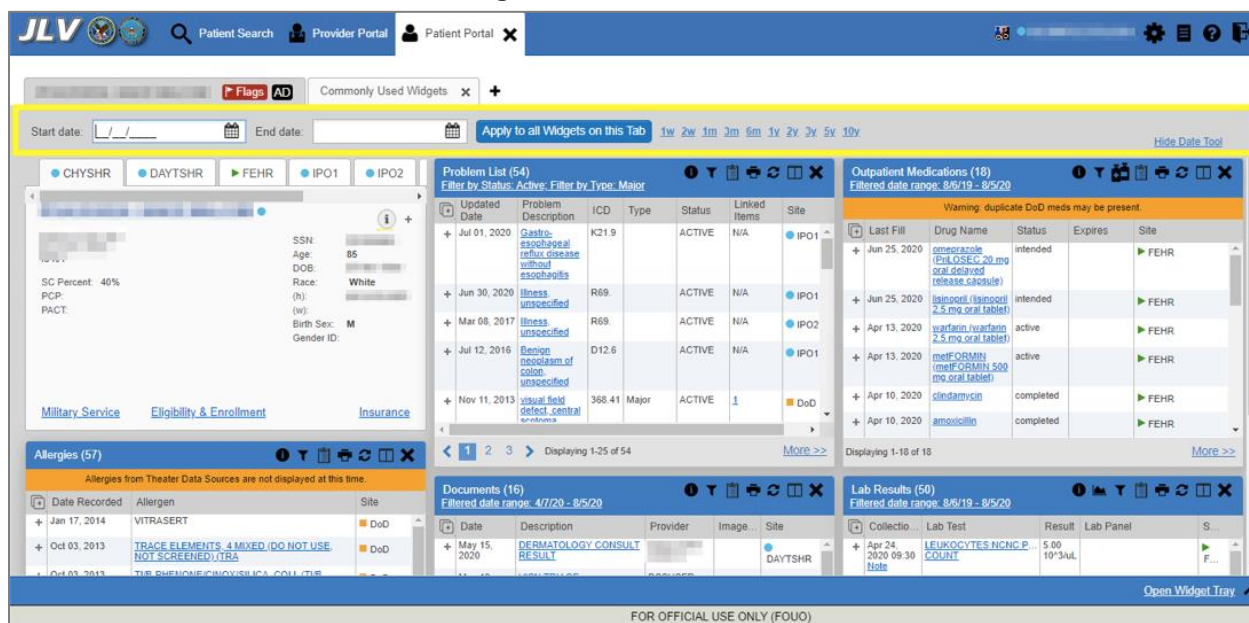
All tabs in the **Patient Portal** have a **Tab Date** tool that you can use to filter all widgets on a single tab by the same date range. The **Tab Date** tool has the same **Start and End Date** and

Quick Date Range filters available on most individual widgets, but it applies the date filter to all widgets on an individual tab.

1. Select the **Show Date Tool** hyperlink
2. Enter dates in the **Start Date** and **End Date** fields, and select the **Apply to All Widgets on This Tab** button OR
3. Select a **Quick Date Range** value in the **Tab Date** tool

The **Tab Date** tool ([Figure 44](#)) is hidden by default, and it hides again automatically after you apply a date filter to the tab. Should you decide not to apply a date filter to the tab, select the **Hide Date Tool** hyperlink to hide the tab-level date filters.

Figure 44: Tab Date Tool



The **Tab Date** tool only filters widgets currently displayed on the active tab that support date range filtering. Widgets that display all data, without a date range, will continue to do so. Filtering only applies to widgets on the tab at the time you apply the **Tab Date** tool and will not affect new widgets added to the tab. You may still apply widget-level date filters to individual widgets after using the **Tab Date** tool. All your widget date settings will save to your profile regardless of whether they were set with the **Tab Date** tool or widget-level date filters.

4.5.2. Text Filter

Clinical data widgets on the **Patient Portal** and the **Patient Flags and Postings** dialog box provide a text filter option ([Figure 45](#)), allowing you to quickly locate relevant patient data using keywords or characters. Text filters are performed on the information displayed in all columns within a widget, including hidden columns. Filters are not performed on notes, attachments, or details associated with patient records.

Figure 45: Vitals Widget Text Filter

Vitals (126)
Filtered date range: 7/28/10 - 7/28/20

If the information you expect does not appear expand the date range.

Start date: 07/28/2010 End date: 07/28/2020 Apply



1w 2w 1m 3m 6m 1y 2y 3y 5y 10y

Enter text to filter x Close

Vitals-special characters message ~!@#\$%^&*()_+`-=[\|;':",./<>?.

Date Taken	Type	Result	Converte...	Site
Date Taken: Jul 07, 2020				
+ Jul 07, 2020 17:05	CIRCUMFERENC...	88.00 cm	34.646 in	

< 1 2 3 4 > Displaying 1-25 of 126 More >>

Click  in the minimized view of a widget to display the **Enter text to filter** field. If the filter options are not displayed in the expanded view of the widget, clicking  also opens the filter options. Keep in mind:



- Text filtering applies only to one widget
- Text is filtered within the subset of filtered data if a date range filter or other dropdown filters are applied within the widget
- Text filters are performed on data within all columns shown in the expanded view of the widget even if the term is entered in the text filter field of the minimized view
- Text filters entered in the minimized view of a widget persist when you open the widget in expanded view
- On widgets with site tabs, text filters entered on one site tab persist when you select other site tabs
- All records across the widget pages are filtered if the widget has multiple page views
- The **Enter text to filter** field is not case sensitive and allows up to 25 characters, including numeric and special characters
- JLV begins to filter when you pause while typing the term in the **Enter text to filter** field
- Text filtering is not available in the **Demographics** widget

4.6. Viewing Connection Status

JLV widgets display the status of their connection to VA and DOD data sources. Connection status information is available for each widget.

NOTE: The Connection Status reports the condition of the connection between JLV and its external resources, while System Status reports the overall condition of the JLV application. See [Viewing System Status](#) for more information.

The **Connection Status** indicator icon on a widget toolbar indicates the state of the connection to VA and DOD data sources. There are two status conditions:

-  all sources are connected (available)
-  one or more sources are not connected (unavailable)


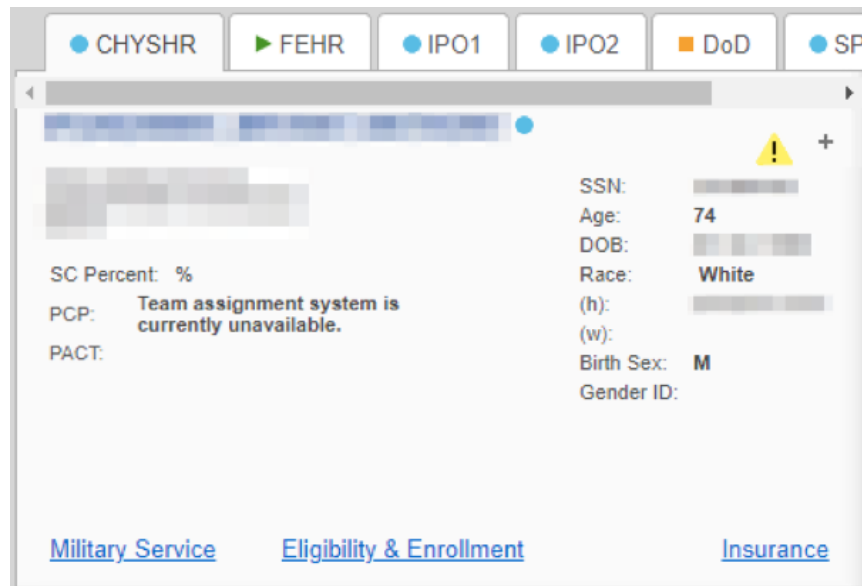
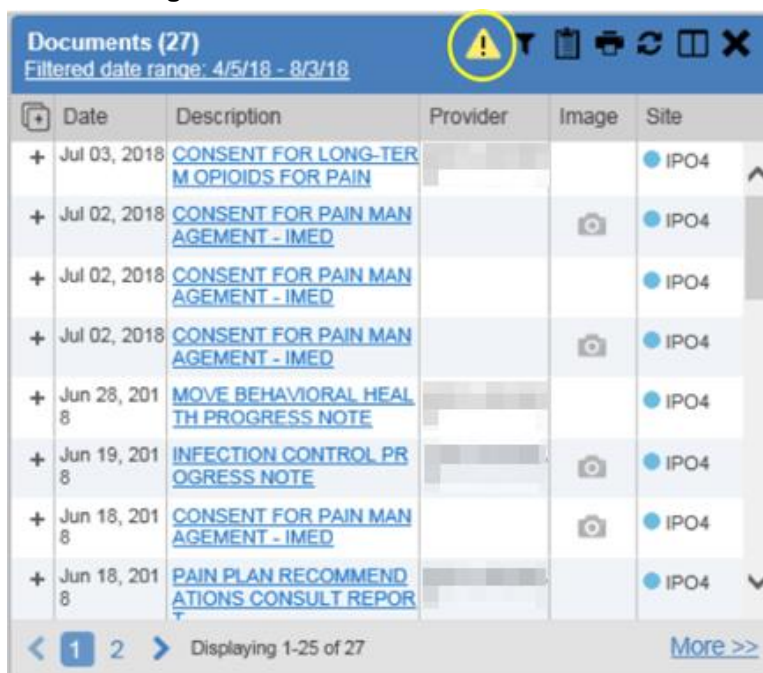
[Figure 46](#) shows  in the **Demographics** widget. When the Primary Care Management Module (PCMM) service is unavailable, the primary care fields in the **Demographics** widget display this error message: “*Team assignment system is currently unavailable.*”

Figure 46: Demographics Widget, PCMM Connection Status Unavailable



[Figure 47](#) shows a connection status indicator icon displayed on the **Documents** widget toolbar.

Figure 47: Connection Status Indicator



	Date	Description	Provider	Image	Site
+	Jul 03, 2018	CONSENT FOR LONG-TERM OPIOIDS FOR PAIN			● IPO4
+	Jul 02, 2018	CONSENT FOR PAIN MANAGEMENT - IMED		📷	● IPO4
+	Jul 02, 2018	CONSENT FOR PAIN MANAGEMENT - IMED			● IPO4
+	Jul 02, 2018	CONSENT FOR PAIN MANAGEMENT - IMED		📷	● IPO4
+	Jun 28, 2018	MOVE BEHAVIORAL HEALTH PROGRESS NOTE			● IPO4
+	Jun 19, 2018	INFECTION CONTROL PROGRESS NOTE		📷	● IPO4
+	Jun 18, 2018	CONSENT FOR PAIN MANAGEMENT - IMED		📷	● IPO4
+	Jun 18, 2018	PAIN PLAN RECOMMENDATIONS CONSULT REPORT			● IPO4

< 1 2 > Displaying 1-25 of 27 [More >>](#)

Clicking a **Connection Status** indicator icon ([Figure 47](#)) opens a standalone window with information about the connection to data sources. Clicking the **< Hide All Active Interfaces** link ([Figure 48](#)) in the **Connection Status** window hides the detailed **All Active Connections** view and displays only the connection errors.

Figure 48: Connection Status Details

Connection Status for Documents

⚠ Connection Errors

Connections from the following sources are currently unavailable. Most connection errors resolve themselves within a few hours.

Source	Name	Status	Data Domain
DOD	DOD	Connection unavailable.	FEHR Summary Documents

[< Hide All Active Interfaces](#)

All Active Connections

Connections to the source systems are successful. Successful status connections are not an indicator that clinical data is being returned to the widget from the source system.

Source	Name	Status	Data Domain
DOD	TMDS	SUCCESS	Progress Note
DOD	CDR	SUCCESS	Progress Note
DOD	CDR	SUCCESS	Encounters
DOD	DOD	SUCCESS	Inpatient Note
DOD	CHCS: SEYMOUR	SUCCESS	Discharge Summary

Clicking the [> Show All Active Interfaces](#) link in the **Connection Status** window ([Figure 49](#)) opens a **Connection Status Details** view ([Figure 48](#)).

Figure 49: Connection Status Window

Connection Status for Documents

⚠ Connection Errors

Connections from the following sources are currently unavailable. Most connection errors resolve themselves within a few hours.

Source	Name	Status	Data Domain
DOD	DOD	Connection unavailable.	FEHR Summary Documents

[> Show All Active Interfaces](#)

4.7. Displaying Widgets on Custom Tabs

You can use the *custom tabs* feature to create additional widget configurations for ease of use and quick reference. Changes made to portal page layouts (widget layouts and custom tabs) are saved to your user profile and displayed in future sessions.

1. Click **+** beside the existing tabs on the portal page ([Figure 50](#))
 - a. The **Add Tab** dialog box opens ([Figure 51](#))

Figure 50: Add Custom Tab Icon

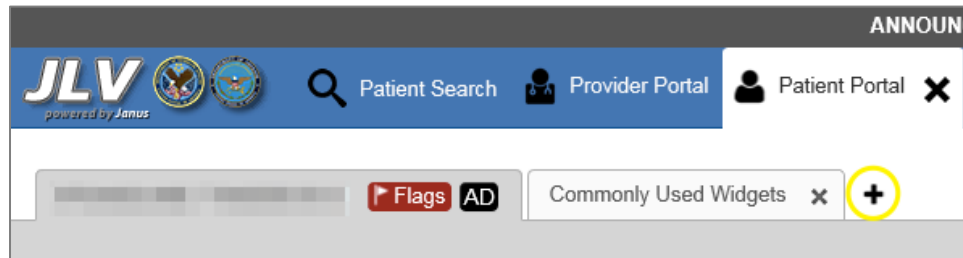



Figure 51: Add Tab Dialog Box

A screenshot of the 'Add Tab' dialog box. The dialog box has a title bar with the text 'Add Tab' and a close button (X). Inside the dialog box, there is a label 'Tab Name:' followed by a text input field. At the bottom of the dialog box, there are two buttons: 'Add' and 'Cancel'.

2. Type the name of the new tab in the **Add Tab** dialog box, and click **Add**
 - a. The new tab opens with a blank workspace, with instructions on how to add widgets, and an open widget tray
3. Click, hold, and drag each of the desired widgets to the screen (max 12)
4. Click between tabs at any time, without losing each tab's configuration
 - a. Tab layouts persist, even when a patient change is made
 - b. Custom tabs can be renamed by double-clicking the tab name

i **NOTE:** Tab configurations remain set until you manually change them or restore your profile to default in the **JLV Settings** dialog, which will remove all custom tabs.

4.8. Refreshing Data in a Widget

The data displayed in a widget can be refreshed by clicking . This action retrieves data from VA and DOD sources and refreshes the individual widget's display.



4.9. Terminology Normalization

Figure 52: Terminology Specific to Widgets

Normalization Standard	Description	Widgets
Centers for Disease Control (CDC) Race Standard	Code set based on the current Federal standards to classify race and ethnicity	Patient Demographics
Current Procedural Terminology (CPT) Standard	Uniform code to describe medical, surgical, and diagnostic services	Procedures, Radiology Reports ¹⁶
Vaccine Administered (CVX) Standard	Numeric string that identifies the type of vaccine product used	Immunizations
Logical Observation Identifiers Names and Codes (LOINC) Standard	Universal standard for identifying health measurements, observations, and documents	Documents, Lab Results, Orders, Progress Notes, Questionnaires and Deployment Assessments, Radiology Reports, Vitals
National Uniform Claim Committee (NUCC) Taxonomy Standard	Unique, 10-character alphanumeric code that identifies a provider grouping, classification, and area of specialization	Admissions, Appointments, Consult Encounters, Documents, Inpatient Medications, Inpatient Summaries, Orders, Outpatient Encounters, Outpatient Medications, Procedures, Progress Notes
RxNorm Standard	Standard names given to allergens, clinical drugs, and drug delivery devices in the United States	Allergies, Inpatient Medications, Orders, Outpatient Medications
SNOMED CT Standard	Core, general terminology used in electronic health records	Admissions, Outpatient Encounters, Problem List
X12 Health Insurance Type Standard	Defines electronic data interchange standards for health care insurance	Patient Demographics

4.10. Image Support

JLV integrates access to the VistA Imaging Viewer and MUSE, allowing you access to VA imaging artifacts for supported clinical domains (widgets). Please see the [VistA Imaging SharePoint site](#) for more information regarding the VistA Imaging Viewer.

You can open one or more images associated with a record by selecting the  displayed in the **Image** column ([Figure 53](#)) of the **Advanced Directives, Cardiology Studies—VA MUSE Only, Documents, Procedures, Progress Notes, Radiology Reports, and Surgery/Procedure Reports** widgets. Clicking  from the **Image** column opens the image(s) in a standalone

¹⁶ If LOINC mappings are not available for an entry in the Radiology Reports widget, JLV looks for CPT mappings and displays CPT normalization for standardized type and standardized code, if found.



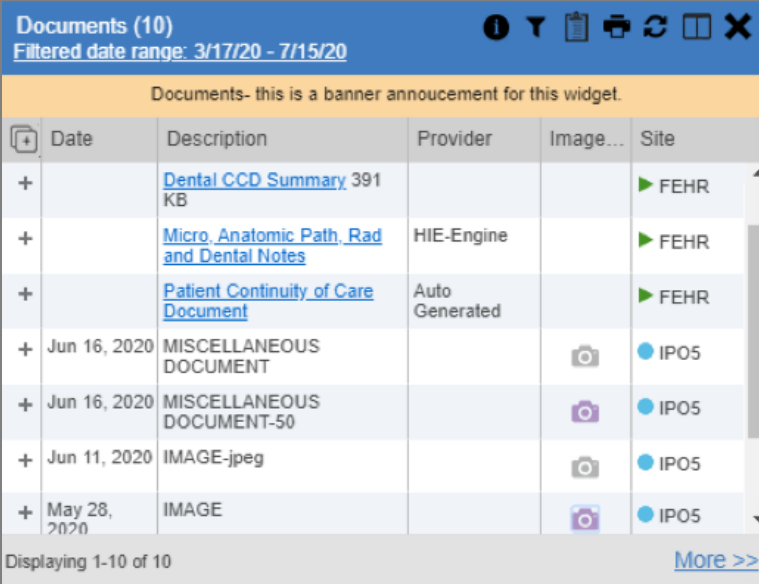




window. Like a hyperlink,  changes color after you launch an image so you can track which images you've viewed in the minimized or expanded widget view of the current session. Changing between minimized and expanded view resets the  color.

Figure 53: Camera Icon in the Image Column

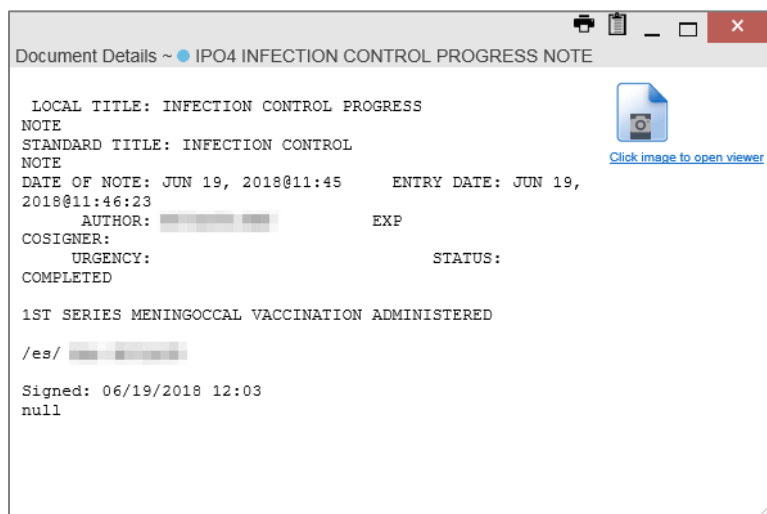


	Date	Description	Provider	Image...	Site
+		Dental CCD Summary 391 KB			▶ FEHR
+		Micro, Anatomic Path, Rad and Dental Notes	HIE-Engine		▶ FEHR
+		Patient Continuity of Care Document	Auto Generated		▶ FEHR
+	Jun 16, 2020	MISCELLANEOUS DOCUMENT			● IPO5
+	Jun 16, 2020	MISCELLANEOUS DOCUMENT-50			● IPO5
+	Jun 11, 2020	IMAGE-jpeg			● IPO5
+	May 28, 2020	IMAGE			● IPO5

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If a record has one or more images associated with it, the **Details** view of the record includes a thumbnail with a **Click image to open viewer** link ([Figure 54](#)). Clicking either the thumbnail or the link opens the VistA Imaging Viewer and displays the associated image(s).

Figure 54: Thumbnail and Link in Details View of the Documents Widget



4.11. Using Report Builder


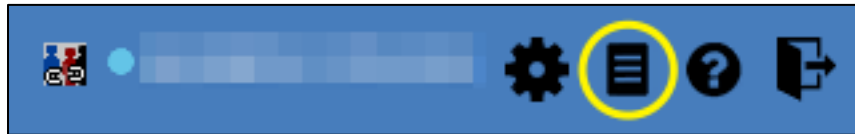
The **Report Builder** feature is used to create custom PDF reports using patient data and records displayed in JLV widgets. Content for reports can be selected from either the minimized or expanded view of a supported widget. You can launch **Report Builder** from the toolbar on the  **Patient Portal** (highlighted in [Figure 55](#)).

Figure 55: Report Builder Icon



The **Report Builder** pane is comprised of the **Current Report** tab ([Figure 56](#)) and the **Patient Reports** tab ([Figure 57](#)). When open, the **Report Builder** appears docked on the JLV portal.

Click < or > to minimize or maximize the **Report Builder**. Any report configurations in progress are saved when collapsing or closing the Report Builder and restored when the Report Builder is displayed again.

The **Current Report** tab ([Figure 56](#)) is used to build the custom report. The patient data and/or records are listed here as you select and add them. The records can be previewed and can be arranged in the desired order for the final report.

Figure 56: Current Report Tab

Report Builder

Current Report Patient Reports (0)

Use EZ Select to add records to a report. Click [here](#) for additional instructions on using EZ Select and adding record details.

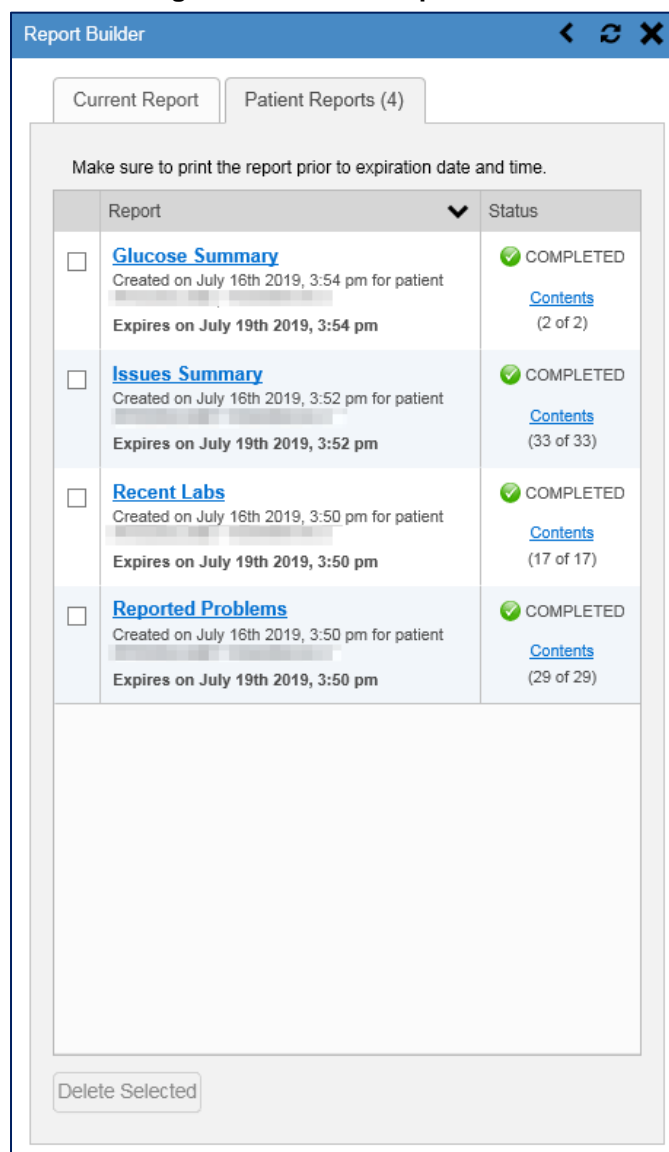
Date	Selected Items
Apr 17, 2018	Problem List Record Apr 17, 2018 Unspecified atrial fibrillation I48.91 ACTIVE IPO4
Jun 19, 2018	Immunizations Record with Details Jun 19, 2018 Note1 Note2 MENINGOCOCCAL C/Y-HIB PRP NC

Preview of Record

Updated Date	Onset	Problem Description	Standardized Description	
Apr 17, 2018		Unspecified atrial fibrillation	Atrial fibrillation (disorder)	I48


The **Patient Reports** tab ([Figure 57](#)) presents a list of all completed reports, the status of the report generation progress, the date the report expires, and a hyperlink to the contents of the completed report.

Figure 57: Patient Reports Tab




You can perform actions within widgets to add patient data when the Report Builder is open or closed. JLV enforces a maximum number of 50 records per report. A message appears when this limit is reached.

4.11.1. Adding One Record


Click **+** next to a record in a widget to add data from that record to the Report Builder, including the details and notes associated with the record. **+** in the row changes to  to confirm the record has been added to the Report Builder ([Figure 59](#)). This applies to both minimized and expanded widget views and the **Patient Flags and Postings** dialog box.

4.11.2. Adding Multiple Records with EZ Select

EZ Select allows you to add all records displayed on a single page of a single widget to the Report Builder with one click. Click  (Figure 58) to add data from all records shown in the widget's page display to the Report Builder, including the details and notes associated with the record. EZ Select is available from the minimized and expanded views as well as the **Patient Flags and Postings** dialog box.

i **NOTE:** Sensitive records and Medication Administration History (MAH) / Medication Administration Log (MAL) reports accessed from the **Inpatient Medications** widget cannot be added using EZ Select. You must add them to a report one at a time, and you can only add MAH/MAL to reports from **Detail** view in the **Inpatient Medications** widget. However, you can use EZ Select to add MAH/MAL reports to Report Builder from the **Health Summaries and Reports** widget.

Figure 58: Report Builder EZ Select

Problem List (14)							
Filter by Status: Active; Filter by Type: Major							
	Updated Date	Problem Description	ICD	Type	Status	Linked Items	Site
+	Aug 01, 2017	Central hearing loss (SCT 68467004)	389.8		ACTIVE	N/A	● IPO2
+	Nov 04, 2016	Illness, unspecified	R69.		ACTIVE	N/A	● IPO1
+	Aug 13, 2013	Tinnitus (SCT 60862001)	388.30		ACTIVE	N/A	● IPO2
+	Aug 13, 2013	Emphysemat... bronchitis (SCT 185086009)	491.20		ACTIVE	N/A	● IPO2
+	Oct 04, 2010	Health Maintenance (ICD-9-CM V65.9)	V65.9		ACTIVE	N/A	● IPO1
+	Feb 18, 2009	Mvalnia (ICD	729.1		ACTIVE	N/A	● IPO1
Displaying 1-14 of 14 More >>							




+ in each row changes to  to confirm the record has been added (Figure 59).

Figure 59: Records Added to Report Builder

Problem List (14) Filter by Status: Active; Filter by Type: Major							
	Updated Date	Problem Description	ICD	Type	Status	Linked Items	Site
RB ↺	Aug 01, 2017	Central hearing loss (SCT 68467004)	389.8		ACTIVE	N/A	● IPO2
RB ↺	Nov 04, 2016	Illness, unspecified	R69.		ACTIVE	N/A	● IPO1
RB ↺	Aug 13, 2013	Tinnitus (SCT 60862001)	388.30		ACTIVE	N/A	● IPO2
RB ↺	Aug 13, 2013	Emphysema... bronchitis (SCT 185086009)	491.20		ACTIVE	N/A	● IPO2
RB ↺	Oct 04, 2010	Health Maintenance (ICD-9-CM V65.9)	V65.9		ACTIVE	N/A	● IPO1
RB ↺	Feb 18, 2009	Mvalnia (ICD	729.1		ACTIVE	N/A	● IPO1

Displaying 1-14 of 14 [More >>](#)

i **NOTE:** Records previously added to a report remain in the Report Builder after a widget refresh. Clicking  in the widget refreshes the clinical data, refreshes the widget data display, and resets  to **+**, even if the record has been added to the Report Builder. Records previously added to a report prior to the refresh remain in the Report Builder after a widget refresh.

4.11.3. Adding Details from Multiple Dates


When the **Details** view of a record has a date filter ([Figure 60](#))—as in the **Health Summaries and Reports**, **Inpatient Medications**, and **Procedures** widgets— resets to **+** each time you change the date range, allowing you to build date-flexible reports using records from multiple date ranges.

Figure 60: Adding Date-Flexible Details to Report Builder, Medicine Full Report

4.11.4. Adding Sensitive Records

Sensitive records can be added to the Report Builder by **+** for a sensitive record in the widget. When prompted, click **Agree to be Audited & Access This Sensitive Record** to continue. **+** in the row changes to **RB** to confirm the record has been added ([Figure 59](#)). Sensitive records must be added to the Report Builder individually; therefore, repeat as necessary for additional sensitive items.

4.11.5. Adding Only Record Details or Notes

When adding records to a report using **+** or **+** in the widget, JLV by default adds the data displayed in the widget as well as any details and notes associated with the record. This applies to both minimized and expanded widget views and the **Patient Flags and Postings** dialog box. If you would like to add just the details and notes or the record row data:

1. Select and hold **+** to access these options ([Figure 61](#))
2. Select **Add Detail** or **Add Note** to add the details and/or notes associated with the record as well as the record row data to the Report Builder
3. Select the **Add Record Row** option to add only the data displayed in the widget display for that record and not the information provided in the details and/or notes

Figure 61: Report Builder Options

Problem List (14)							
Filter by Status: Active; Filter by Type: Major							
	Updated Date	Problem Description	ICD	Type	Status	Linked Items	Site
+	Aug 01, 2017	Central hearing loss (SCT 68467004)	389.8		ACTIVE	N/A	● IPO2
+	Nov 04, 2016	Illness, unspecified	R69.		ACTIVE	N/A	● IPO1
+	Aug 13, 2013	Tinnitus (SCT 60862001)	388.30		ACTIVE	N/A	● IPO2
+	Aug 13, 2013	Emohvsema...	491.20		ACTIVE	N/A	● IPO2
		Add Detail					
		Add Record Row	V65.9		ACTIVE	N/A	● IPO1
		(ICD-9-CM V65.9)					
+	Feb 18, 2009	Mvalnia (ICD	729.1		ACTIVE	N/A	● IPO1

Displaying 1-14 of 14 [More >>](#)

NOTE: Once you add a record to Report Builder using either the **+**, **Add Detail/Note**, or **Add Record Row** option, you cannot change the record data included in the report without first clearing the record from the report and adding it again.

4.11.6. Adding Patient Demographics

Clicking **+** in the **Demographics** widget ([Figure 62](#)) adds the patient's demographics details for that site to the Report Builder. **+** changes to **RB** to confirm the demographics data has been added. Click additional site tabs within the **Demographics** widget and repeat as desired to add demographics details from other sites within the patient's health record.

Figure 62: Demographics Widget Add to Report Builder Icon

CHYSHR FEHR IPO1 IPO2 DoD SP

SSN: [redacted]
Age: 74
DOB: [redacted]
Race: White
(h): [redacted]
(w): [redacted]
Birth Sex: M
Gender ID: [redacted]

SC Percent: %
PCP:
PACT:

[Military Service](#) [Eligibility & Enrollment](#) [Insurance](#)

4.11.7. Generating a Report

The selected records appear in the **Report Builder** pane ([Figure 56](#)).

1. Use the navigation arrows to arrange the records in the desired order in the generated report
 - a. Records can be removed by clicking **Clear Selected Record** or **Clear All**
2. When a record is selected for the report, it appears in the **Preview of Record** area of the **Report Builder** pane
3. Click **Build** to validate the selected records and prepare the report
 - a. If a record is added to the report without an error, a **Ready** notation displays next to it in the **Status** column
 - b. If a record cannot be added to the report, an **Error** notation appears next to the record
4. Name the report when prompted, and click **OK** ([Figure 63](#))

Figure 63: Name Report Dialog Box

Name Report

Please enter a name for the report and click OK to complete the build process. Once a report is built, the report cannot be modified.

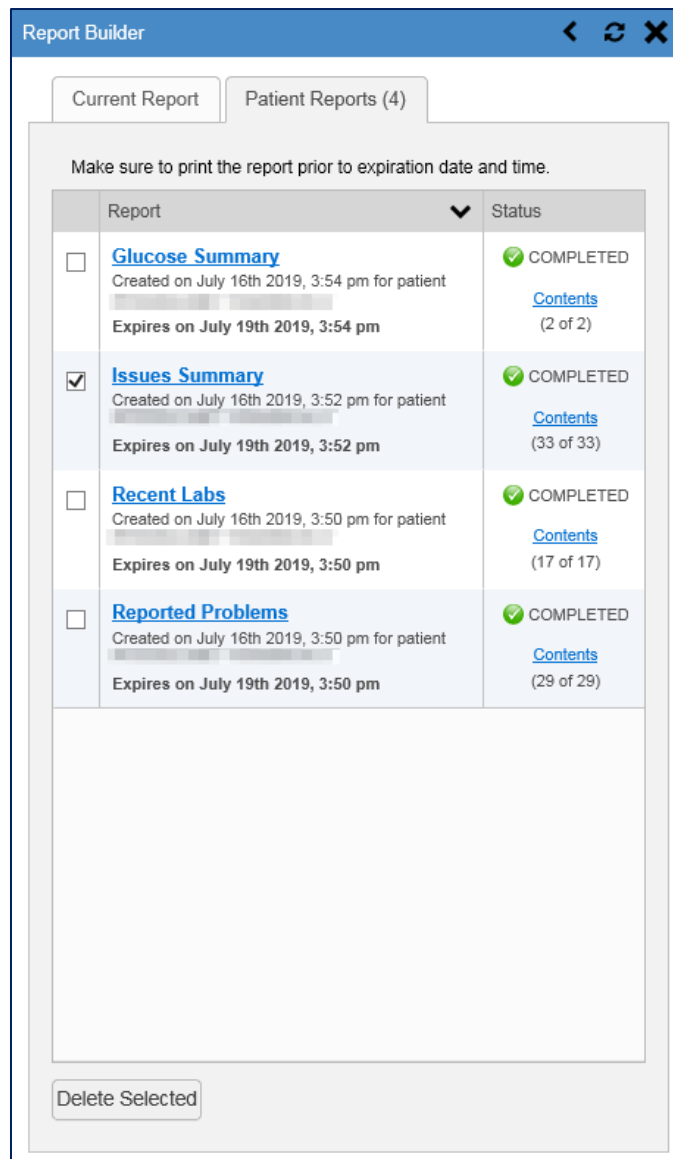
Report Name:

My Report 03272018

OK Cancel

5. The **Patient Reports** tab opens and displays a report processing indicator in the **Status** column
6. When processing is complete, the **Status** column displays either *COMPLETED* or *ERROR* ([Figure 64](#))
 - a. An *ERROR* in the **Status** column does not indicate the report failed to build, it is an indicator that one or more records could not be included in the generated report
 - b. Both the *COMPLETED* and *ERROR* entries include a **Contents** link ([Figure 64](#)), which provides a list of the records that appear in the generated report

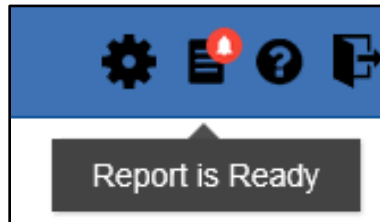
Figure 64: Patient Reports Tab Report Ready and Delete Option



- c. A report ready message appears for 6 seconds on the portal page when the report has been built and is ready to be printed ([Figure 65](#))

- d. A red icon ([Figure 65](#)) appears over the **Report Builder** icon when report builder is closed to indicate that a report is ready to be printed

Figure 65: Report Ready Message and Indicator



i **NOTE:** Once a report is created, it is available on the Patient Reports tab for 72 hours. After 72 hours, the report expires, is removed from the Patient Reports tab, and can no longer be accessed.

4.11.8. Opening a Report

1. Click the report name in the **Report** column of the **Patient Reports** tab ([Figure 64](#)) **OR**
2. Click the **Contents** link in the **Status** column of the **Patient Reports** tab to open a list of the records included in the report in the **Report Contents** window ([Figure 64](#)) **OR**
3. Click the blue, hyperlinked report name in the **Report Contents** window ([Figure 66](#))

Figure 66: Report Contents Window

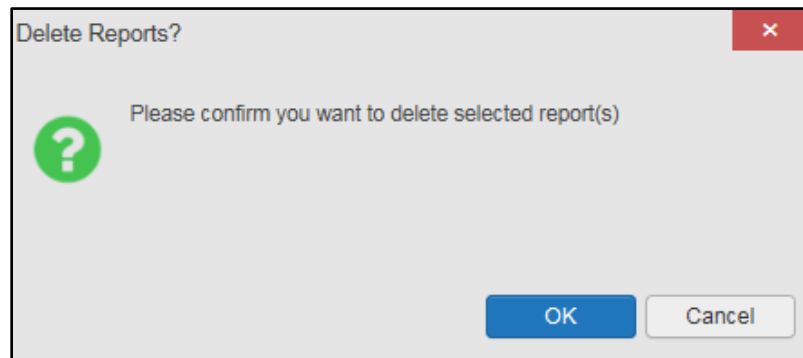
Record	Status
Lab Results Record Nov 16, 2017 10:11 GLUCOSE 90 mg/dL IPO5	✓ READY
Lab Results Record Aug 18, 2016 14:25 GLUCOSE 80 mg/dl DoD	✓ READY
Inpatient Summaries Record Nov 16, 2017 Discharge Summary / Discharge Summary IPO5	✓ READY
Documents Record Jan 10, 2018 Administrative Note ABL, USER NINETEEN DoD	✓ READY
Documents Record	✓ READY

i **NOTE:** The Report Builder prints the report content to a file in PDF format. It is recommended that you have the latest Adobe Reader installed on the system from which you access JLV to utilize the Report Builder and other JLV features.

4.11.9. Delete a Report



1. Select the checkbox for the report name on the **Patient Reports** tab ([Figure 64](#))
2. Click the **Delete Selected** button
3. Click **OK** to confirm deletion ([Figure 67](#))


Figure 67: Delete Reports Dialog Box



4.12. Printing

The data list of a widget in either minimized or expanded view, the details window of a widget, and reports created in **Report Builder** can be printed.

- Click  on the desired widget's toolbar to print the data list of a widget in either minimized or expanded view
- Click  on the details window's toolbar to print the details window of a widget
- Click the (PDF) **Print** icon within the report window to print a report created in **Report Builder**

 **NOTE:** Each report generated using **Report Builder** includes this disclaimer: *"The information contained in this transmission may contain privileged and confidential information, including patient information protected by federal and state privacy laws."*

5. Widget Functionality

The following subsections detail the functionality in a sampling of the widgets available in JLV.

5.1. Patient Demographics Widget


The **Patient Demographics** widget displays a summary of the patient's nonclinical, personal data on the primary  **Patient Portal** tab ([Figure 68](#)). The site tabs provide a demographics summary for each site (VA or DOD) the patient has visited.

Figure 68: Patient Demographics Widget

CHYSHR FEHR IPO2 DoD SPOEHR03

[REDACTED]

SC Percent: 0%

PCP: [REDACTED]

PACT: *PENDING* TestTeam1

SSN: [REDACTED]

Age: 74

DOB: [REDACTED]

Race: [REDACTED]

(h): [REDACTED]

(w): [REDACTED]

Birth Sex: M

Gender ID: Transfemale/Tr...

[Military Service](#) [Eligibility & Enrollment](#) [Insurance](#)

Nonclinical, personal data displayed for the patient varies by site and could include name, address, SSN, age, DOB, race, phone numbers, birth sex, and gender ID (SIGI). SIGI code values are listed in [Table 8](#).

Table 8: Gender ID (SIGI) Code Values

Code	Description
M	Male
F	Female
TM	Transmale/Transman/Female-to-Male
TF	Transfemale/Transwoman/Male-to-Female
O	Other
NB	Nonbinary
Any Other Code	Unknown

The **Patient Demographics** widget provides additional functionality:

- Clicking the patient's name opens details in a standalone window, including inpatient providers
- Clicking or opens the connection status details in a separate window
- Clicking opens clinical flag details in a new window
- Clicking opens the **Advance Directives** dialog in a new window

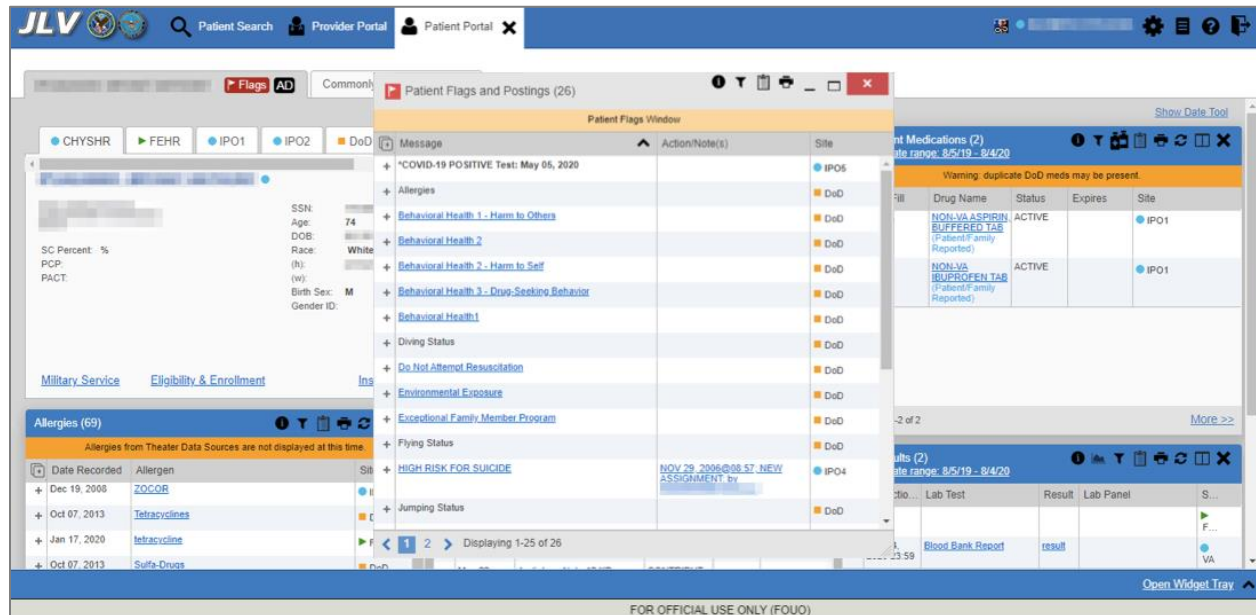
If displays on one or more tabs within the **Demographics** widget, it is an indication that the patient is not registered at that VA site or DOD facility.

5.1.1. Patient Flags and Alerts

If the patient has one or more clinical warnings, alerts, or flags in their record from VA and DOD sites, **Flags** displays on the main **Demographics** widget tab of the **Patient Portal** (Figure 69).

The **Patient Flags and Postings** window opens and displays by default when the **Patient Portal** opens if there are warnings associated with the selected patient.

Figure 69: Patient Flags Indicator



Click **Flags** to open the **Patient Flags and Postings** window (Figure 69). The window displays a list of alerts and flags within the patient's record. Selecting the hyperlinked message for each patient alert opens the **Flag Details** window (Figure 70). Selecting the **Action/Note(s)** link (Figure 69) will open documents pertaining to placement of the flag. If the patient's record does not contain any clinical warnings, **Flags** is not displayed.

Figure 70: Patient Flags and Postings Details

The screenshot shows a window titled "Flag Details ~ ● IPO4 HIGH RISK FOR SUICIDE". It contains the following information:

- Flag Name: HIGH RISK FOR SUICIDE
- Assignment Narrative: Testing National Patient Record Flag. Not accepting CHEY260 as Owner Site.
- Flag Type: CLINICAL
- Flag Category: I (NATIONAL)
- Assignment Status: Active
- Initial Assigned Date: APR 04, 2016@11:21:12
- Approved by: [REDACTED]
- Next Review Date: APR 04, 2016
- Owner Site: CHEYENNE VAMC (CHEYENNE VAMC)
- Originating Site: CHYSQA260

5.1.2. Advance Directives






You can view Advance Directives ([Figure 71](#)) by selecting  on **Demographics** widget. Advance Directives are pulled from DOD and VA data sources.  changes to  when loading, and it is greyed out  if Advance Directives were not found for the patient.

Figure 71: Advanced Directives Dialog

The screenshot shows a window titled "Advance Directives (2)". It contains a table with the following data:

Date	Document Title	Image	Site
+ Sep 15, 2006	ADVANCE DIRECTIVE		● IPO4
+ Jan 17, 2003	ADVANCE DIRECTIVE		● IPO4

Displaying 1-2 of 2

5.1.3. Viewing Third-Party Insurance Information

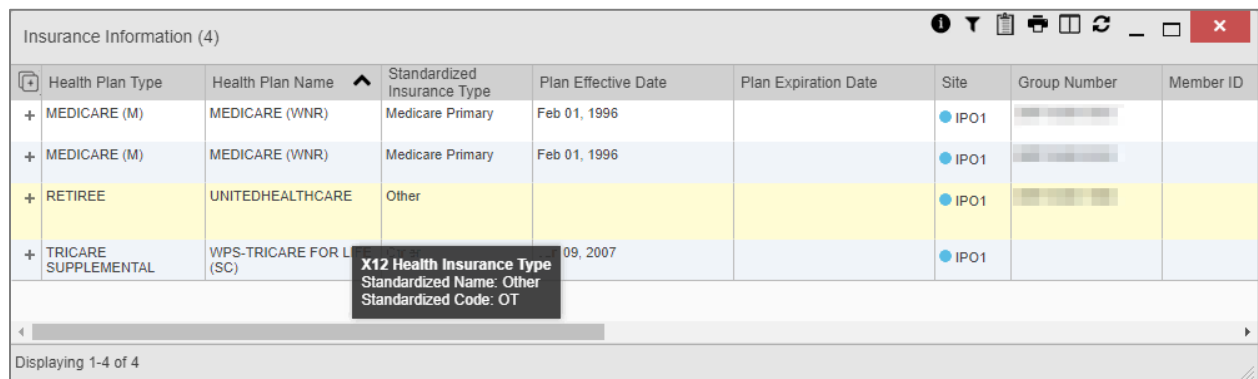
Third-party payers and insurance information is available from the **Patient Demographics** widget. Click the **Insurance** link in the **Demographics** widget.

A new window opens with the following insurance information, some of which is displayed in [Figure 72](#):

- Health Plan Type
- Health Plan Name
- Standardized Insurance Type (See [Terminology Normalization](#) for more information.)
- Plan Effective Date
- Plan Expiration Date

- Site
- Group Number
- Member ID
- Subscriber ID
- RxBIN
- RxPCN
- Notes
- Comments
- Subscriber Date of Birth
- Subscriber's Relationship to Insurer
- Health Plan Mailing Address
- Health Plan Contact Information

Figure 72: Insurance Information



Health Plan Type	Health Plan Name	Standardized Insurance Type	Plan Effective Date	Plan Expiration Date	Site	Group Number	Member ID
+ MEDICARE (M)	MEDICARE (WNR)	Medicare Primary	Feb 01, 1996		• IPO1		
+ MEDICARE (M)	MEDICARE (WNR)	Medicare Primary	Feb 01, 1996		• IPO1		
+ RETIREE	UNITEDHEALTHCARE	Other			• IPO1		
+ TRICARE SUPPLEMENTAL	WPS-TRICARE FOR L (SC)		09, 2007		• IPO1		

X12 Health Insurance Type
Standardized Name: Other
Standardized Code: OT

Displaying 1-4 of 4

Use the horizontal scroll bar in the window to view the columns not seen within the default window size.

5.1.4. Viewing Military Service Data

Military service data ([Figure 73](#)) are available from the **Patient Demographics** widget. Click the **Military Service** link in the **Demographics** widget.

Figure 73: Military Service Window

Military Service ~ IPO4

MILITARY SERVICE DATA, SCREEN <6>

VETERAN; SC

=====

==

[1] Service Branch/Component	Service #	Entered	Separated
Discharge			
ARMY		08/26/1963	08/25/1966
HONORABLE			

[2] Conflict Locations: < None Specified >

[3] Environment Factors: < None Specified >

<4> POW: NO From: To: War:

<5> Combat: NO From: To: Loc:

<6> Mil Disab Retirement: NO Dischrg Due to Disab: NO

<7> Dent Inj: NO Teeth Extracted: NO

<8> Purple Heart:

<9> Medal of Honor: Award Date: Status Date:

MOH Copayment Exemption Date:

5.1.5. Viewing Eligibility and Enrollment Data

Eligibility and enrollment data ([Figure 74](#)) are available from the **Patient Demographics** widget. Click the **Eligibility & Enrollment** link in the **Demographics** widget.

Figure 74: Eligibility and Enrollment Window

Eligibility ~ IPO4

ELIGIBILITY STATUS DATA, SCREEN <7>

VETERAN; SC

=====

==

<1> Patient Type: SC VETERAN Veteran: YES

Svc Connected: YES SC Percent: 40%

SC Award Date: UNANSWERED Unemployable: NO

P&T: NO

Rated Incomp.: NO

Claim Number:

Folder Loc.: DENVER-RO

<2> Aid & Attendance: NO Housebound: NO

VA Pension: NO

VA Disability: YES

Total Check Amount: \$7512

GI Insurance: NO Amount: UNANSWERED

<3> Primary Elig Code: SC LESS THAN 50%


Other Elig Code(s): NO ADDITIONAL ELIGIBILITIES IDENTIFIED

Period of Service: VIETNAM ERA

<4> Service Connected Conditions as stated by applicant

5.2. Cardiology Studies—VA MUSE Only Widget

The **Cardiology Studies—VA MUSE Only** widget ([Figure 75](#)) displays electrocardiograms (EKGs) and cardiology studies with related images from all VA MUSE sites and systems. The information displays in reverse chronological order by date with one tab for each site where the patient is registered.

Clicking  from the **Image** column opens the image(s) in a standalone window. Report Builder functionality is not available for this widget.


5.2.1. Cardiology Studies—VA MUSE Only Widget Data

The information in the **Cardiology Studies—VA MUSE Only** widget includes:


- Date
- Description (Test Type)
- Status
- Image


There is no expanded view for this widget.

Figure 75: Cardiology Studies—VA MUSE Only Widget

Cardiology Studies - VA MUSE Only (1)			
Filtered date range: 12/1/04 - 12/19/19			
<div> <div>IPO4</div> <div>IPO5</div> </div>			
Date	Description (Test Type)	Status	Image
Jun 06, 2005	ECG	Confirmed	
<div>Displaying 1-1 of 1</div>			

5.3. Community Health Summaries and Documents

The  **Community Health Summaries and Documents** widget ([Figure 76](#)) displays the patient's community partner information, including Continuity of Care Documents (CCDs) in C32 and C62 formats and HL7 Consolidated-Clinical Document Architecture (C-CDA) structured documents available for the patient. The information in this widget is sorted by the title of the entry listed in the **Document** column.

 **NOTE:** CAPRI-Claims users cannot see the **Community Health Summaries and Documents** widget.















5.3.1. Community Health Summaries and Documents Widget Data

Data displayed within the **Community Health Summaries and Documents** widget ([Figure 76](#)) includes:

- Date
- Document Type/Title
- Site

The purple hexagon beside entries in the **Site** column denotes the source of the data is outside the VA.

Figure 76: Community Health Summaries and Documents, Minimized View

Community Health Summaries and Documents (12)      			
	Date	Document Type/Title	Site
+	Jun 23, 2020	MEDVA CCHN CCDA - TEST	 MEDVA
+	Mar 03, 2000	KAISER Adventist - Parse TEST	 KAISER
+	Jan 01, 2000	SSA HHIE JJEST CCDA - Parse Test	 SSA
+	Jan 01, 2000	SSA New C32-2019	 SSA
+	Jan 01, 2000	SSA GWINNETT MEDICAL GROUP CCDA	 SSA
+	Jan 01, 2000	SSA C62-March 2019	 SSA
+	Jan 01, 2000	MEDVA NEW C32-2019	 MEDVA
Displaying 1-12 of 12			

5.3.2. Viewing VA Community Health Summary Documents

The **Community and Health Summaries and Documents** widget renders only in minimized view. Instead of an expanded view, clicking a hyperlinked entry in the **Document Type/Title** column document opens in a new browser window ([Figure 77](#)).


 **NOTE:** Multiple documents can be opened in separate browser tabs for simultaneous viewing and printing.

Figure 77: Community Health Document

JLV undefined ULT LEG UNI VENOUS DUPLEX - Internet Explorer

Susquehanna Health System

Imaging

Created On: April 27, 2017

Patient:	[REDACTED]	Patient ID: 700002
Birthdate:	[REDACTED]	Sex: M
Source:	Susquehanna Health System	
Author:	[REDACTED]	

tel: PATIENT PHONE MISSING


Table of Contents

Attached File

EXAM: (MUS 1553) ULT LEG UNI VENOUS DUPLEX - LEFT -Accession #: 6749809
DATE AND TIME EXAM COMPLETED: Apr 27 2017 1:45PM
REASON FOR EXAM: pain

Venous Doppler of the leftlower extremity.
Indication: Hard lump just above the knee.
Comparison: None
TECHNIQUE: Gray-scale, pulsed Doppler and color Doppler images.
INTERPRETATION: No evidence of deep venous thrombus within the left lower extremity.
At the area of interest ultrasound showed a small 3 x 3 mm cystic area in the subcutaneous zone. Nonspecific but suspicious for benign sebaceous cyst.
Also small popliteal cyst, 3 x 1 cm.

5.4. Documents Widget

The  **Documents** widget ([Figure 78](#)) includes documents from multiple clinical domains, including radiology reports (exams), progress notes, outpatient encounters, consult encounters, discharge summaries (inpatient notes), questionnaires, and HAIMS records, displayed in reverse chronological order by the document date. HAIMS records retrieved by JLV include scanned paper records, imported paper records, advance directives, scanned non-radiology images, and imported non-radiology images.

5.4.1. Documents Widget Data

The minimized view of the **Documents** widget displays the following information:

- Date
- Description
- Provider
- Image/Attachment (See [Image Support](#))
- Site

Figure 78: Documents Widget, Minimized View

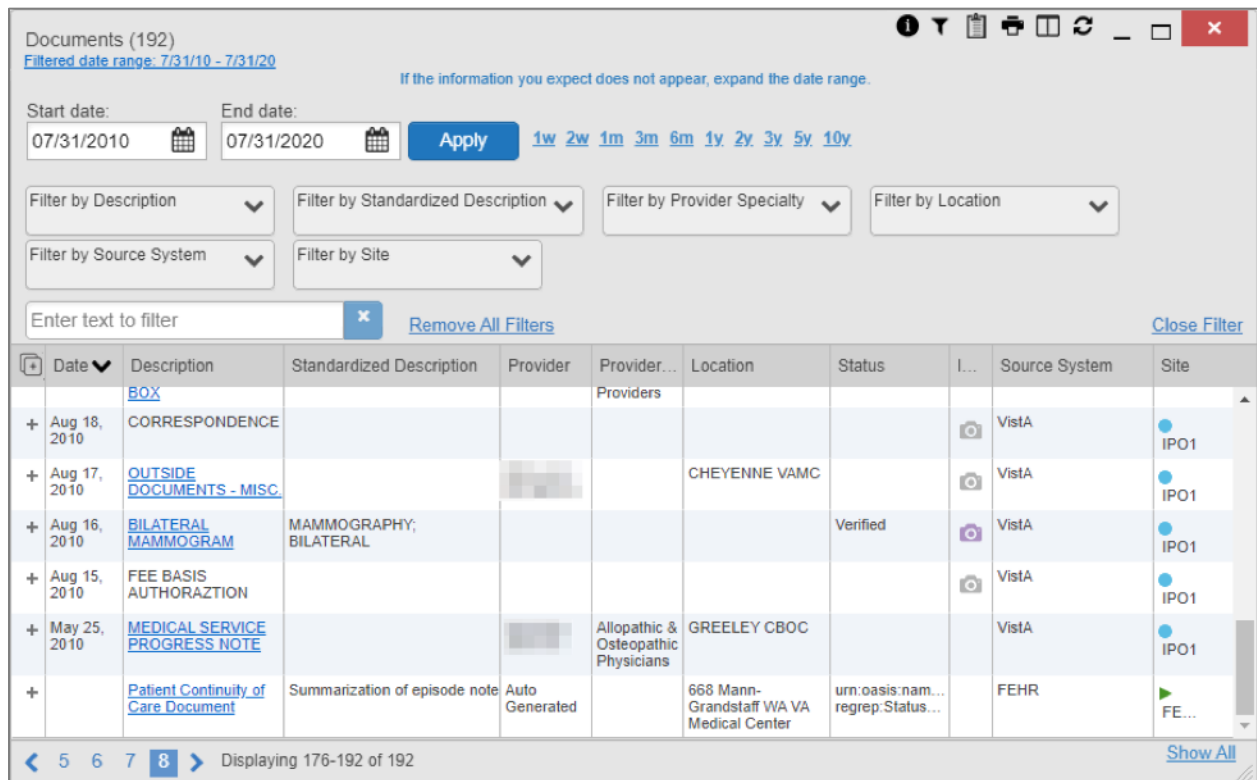
Documents (10) Filtered date range: 3/17/20 - 7/15/20					
Documents- this is a banner announcement for this widget.					
	Date	Description	Provider	Image...	Site
+		Dental CCD Summary 391 KB			▶ FEHR
+		Micro, Anatomic Path, Rad and Dental Notes	HIE-Engine		▶ FEHR
+		Patient Continuity of Care Document	Auto Generated		▶ FEHR
+	Jun 16, 2020	MISCELLANEOUS DOCUMENT			● IPO5
+	Jun 16, 2020	MISCELLANEOUS DOCUMENT-50			● IPO5
+	Jun 11, 2020	IMAGE-jpeg			● IPO5
+	May 28, 2020	IMAGE			● IPO5
Displaying 1-10 of 10					More >>

Outpatient encounter records displayed in the **Documents** widget may have a **Details** link enabled in the **Date** column. Where available, click the link to open a **Details** window for records of this type.

Click **More >>** in the minimized view of the **Documents** widget to open the expanded view ([Figure 79](#)). Information in expanded view includes:

- Date
- Description
- Standardized Description
- Provider
- Provider Specialty
- Location
- Status
- Image/Attachment
- Source System
- Site

Figure 79: Documents Widget, Expanded View




5.4.2. Viewing Documents

Click a hyperlinked entry in the **Description** column in either the minimized or expanded view of the **Documents** widget to access additional information for a listed record. Depending on the record type, the additional information may open in either a **Details** window or a separate browser window. [Figure 80](#) displays outpatient encounters details, accessed through the **Documents** widget.

Figure 80: Details View of a Document



5.5. Federal EHR/Military Health System (MHS) GENESIS Widget


The  **Federal EHR/MHS GENESIS** widget displays DOD patient documents and dental summaries from DOD's MHS GENESIS system and VA's Cerner PowerChart. The information is displayed in reverse chronological order by date.

5.5.1. Federal EHR/MHS GENESIS Widget Data

The minimized view of the **Federal EHR/MHS GENESIS** widget includes the following information:

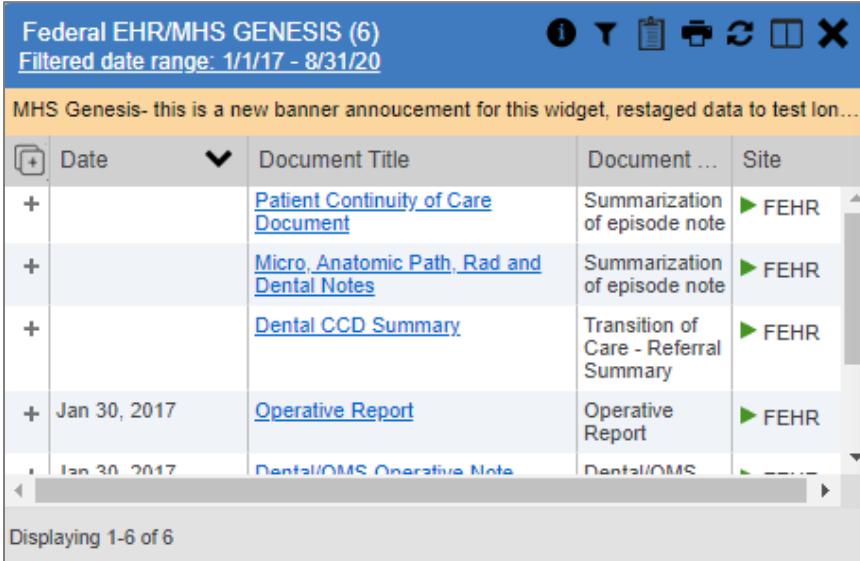
- Date
- Document Title
- Document Type
- Site

[Figure 81](#) highlights the **Federal EHR/MHS GENESIS** widget in minimized view. There is no expanded view for the widget; instead, the C-CDA document selected opens in a new browser window ([Figure 82](#)).

 **NOTE:** The **Outpatient Medications** widget displays an orange banner with a warning that reads, “*Duplicate DOD meds may be present*” due to the integration of data from MHS GENESIS.

Medical CCDs, Dental CCDs, and aggregate CCDs with blank entries in the **Date** column for the record appear first in the widget by default.

Figure 81: Federal EHR/MHS GENESIS Widget



	Date	Document Title	Document ...	Site
+		Patient Continuity of Care Document	Summarization of episode note	FEHR
+		Micro, Anatomic Path, Rad and Dental Notes	Summarization of episode note	FEHR
+		Dental CCD Summary	Transition of Care - Referral Summary	FEHR
+	Jan 30, 2017	Operative Report	Operative Report	FEHR
+	Jan 30, 2017	Dental/OMS Operative Note	Dental/OMS	FEHR

5.5.2. Viewing Federal EHR/MHS GENESIS Documents

Click a hyperlink in the **Document Title** column in either view of the **Federal EHR/MHS GENESIS** widget to display a C-CDA document ([Figure 82](#)) in a new browser window.

Figure 82: C-CDA Document

Transition of Care/Referral Summary
created on: February 28, 2017, 14:30:17, CST
Source: MB Military Baseline Medical Center
7700 Arlington Blvd
Falls Church, VA 20400- , US
tel:(555)555-5555

MB Military Baseline Medical Center

Patient: [REDACTED]
DOB: [REDACTED]
Gender: Male
Patient ID: 666000001

[-] Table of Contents

Patient Information	Encounters	Vital Signs	Problem	Allergies	Medications	Results	Immunizations	Procedures
Social History	Functional Status	Assessment and Plan	Hospital Discharge Instructions	Healthcare Providers	Contact Information			

[-] Patient Information

Patient Information	
Address	Primary Home: [REDACTED], US
Marital status	
Religious Affiliation	
Race	Black or African American
Ethnicity	Not Hispanic or Latino
Language(s)	
Preferred Language	

[-]Encounters

Date	Type	Specialty	Providers	Description	Reason for Visit	Source
February 17, 2017, 07:53:23, PST						FC Fairchild Clinics
February 17, 2017, 07:52:34, PST						FC Fairchild Clinics

5.6. Health Summaries and Reports—VA Only Widget

5.6.1. Health Summaries and Reports—VA Only Widget Data

The **Health Summaries and Reports—VA Only** widget displays the patient's national and local health summaries from VA sites where the patient has been registered, including the Autopsy, Blood Bank, Cytopathology, Lab Summary—Cumulative, MAH¹⁷, MAL¹⁸, Medicine Full, Surgical Pathology, Transfers, and Unit Dose reports. This widget is available to VA users only.

¹⁷ Limited to any 7-day period

¹⁸ Limited to any 14-day period

JLV sorts records by **Site** by default. If a patient has national health summaries, JLV sorts to display National records first. National records are named in the **Site** column in the minimized view and in the **Type** and **Site** columns in the expanded view.

The **Description** column displays the document title, where available. Click a hyperlinked entry in the **Description** column in either the minimized or expanded views of the widget to open the document.

Information in the minimized view of the **Health Summaries and Reports—VA Only** widget ([Figure 83](#)) includes:

- Description
- Site

Figure 83: Health Summaries and Reports—VA Only Widget, Minimized View

Description	Site
+ Blood Bank Report	National
+ Cytopathology	National
+ Lab Summary - Cumulative	National
+ Medication Administration History	National
+ Medication Administration Log	National
+ REMOTE MHV REMINDERS DETAIL	National
+ REMOTE MHV REMINDERS SUMMARY	National

Click **More >>** from the minimized view of the **Health Summaries and Reports—VA Only** widget to open an expanded view of the widget. Information in the expanded view ([Figure 84](#)) includes:

- Description
- Type
- Site

Figure 84: Health Summaries and Reports—VA Only Widget, Expanded View

Description	Type	Site
Blood Bank Report	National	National
Cytopathology	National	National
Lab Summary - Cumulative	National	National
Medication Administration History	National	National
Medication Administration Log	National	National
REMOTE MHV REMINDERS DETAIL	National	National
REMOTE MHV REMINDERS SUMMARY	National	National
Remote Clinical Data (3m)	National	National
Remote Clinical Data (1y)	National	National
Remote Clinical Data (4y)	National	National
Remote Demo/Visits/PCE (3m)	National	National
Remote Dis Sum/Surg/Prod (12y)	National	National
Remote Labs All (3m)	National	National

[1](#) [2](#) [3](#) [4](#) Displaying 1-25 of 111 [Show All](#)

5.6.2. Viewing Health Summaries

Click a hyperlinked entry in the **Description** column of either the minimized or expanded view of the **Health Summaries and Reports—VA Only** widget to view additional information for the record. This widget is available to VA users only.

[Figure 85](#) displays a health summary record exported from a single, local site.

Figure 85: Health Summary from a Single, Local Site

C&P EXAMS ~ IPO4

07/17/2019 12:40

***** CONFIDENTIAL C&P EXAMS SUMMARY pg. 1 *****

DOB: [REDACTED]

----- SPN - Selected Prog Notes -----

07/01/2003 10:22 Local Title: C&P MEDICAL
Standard Title: C & P EXAMINATION NOTE

PATIENT NAME: [REDACTED]

Veteran was seen in C&P [REDACTED] on July 1st and logged in at 9:30.

HISTORY: This is a 58-year-old veteran who was in for an examination of his heart. The veteran was shoveling snow on March 18th, 2003, when he developed chest pain. He was seen at Poudre Valley Hospital and he underwent an angiogram, which showed a total occluded proximal right coronary artery. An angioplasty and a stent was placed. He then was placed in cardiac rehabilitation and he noted the onset of some chest pain with activity. At the Heart Center of the Rockies in May 2003, he underwent an exercise tolerance test and he nearly completed stage IV and the veteran said he went about 11 minutes. He had no chest pain, but there were some EKG changes. He then was seen at the Denver VA and on June 25th, 2003, he underwent an angiogram at the Denver VA. That showed a patent right coronary

[Figure 86](#) is an example of JLV's display of a national health summary. Within the window, tabs represent the VistA sites where the patient is registered. Click each tab to view patient records for that site.

Figure 86: National Health Summary, Multiple Sites

Cytopathology ~ National

• IPO4 • IPO3 • IPO5

---- CYTOPATHOLOGY ----

Date Spec taken: Nov 24, 2015 18:57 Pathologist: [REDACTED] MD
Date Spec rec'd: Nov 24, 2015 18:57 Tech: [REDACTED] MD
Date completed: Nov 24, 2015 Accession #: CY 15 1
Submitted by: [REDACTED] Practitioner: [REDACTED] MD

Specimen:
BONE MARROW

Brief Clinical History:
Evaluating specimen for possible cancer.

Preoperative Diagnosis:
Not applicable at this time.

Description:
PATHOLOGIST TRANSCRIBED THE ENTRY.


Diagnosis: (Date Spec taken: Nov 24, 2015 18:57)
POSITIVE RESULTS

POSITIVE FOR CANCER CELLS

Performing Laboratory:
Cytology Report Performed By:
CHYSQA261

5.7. Lab Results Widget

5.7.1. Lab Results Widget Data

The  **Lab Results** widget displays the patient's lab results information, as well as skin test data and blood transfusion history when available in the patient's record. The information is displayed in reverse chronological order by collection date. Lab data received by DOD sources that include a sensitive flag are masked in the widget views and access to this data is subject to auditing. Additional data may be available in the [Community Health Summaries and Documents](#) widget.

The information in the minimized view of the **Lab Results** widget includes:

- Collection Date
- Lab Test
- Result
- Lab Panel
- Site

Click **More >>** from the minimized view of the **Lab Results** widget to open the expanded view ([Figure 87](#)). The lab results information in the expanded view includes:

- Collection Date
- Specimen Source
- Lab Test
- Result
- Interpretation
- Units
- Ref Range
- Lab Panel
- Type
- Order Number
- Ordering HCP
- Status
- Site




NOTE: While the **Standardized Lab Test** and **Ordering HCP Specialty** columns are not listed by default, you may add them to the expanded view by selecting their corresponding checkboxes in .

Figure 87: Lab Results Widget, Expanded View

Lab Results (17)
[Filtered date range: 6/19/18 - 6/19/19](#)

If the information you expect does not appear, expand the date range.

Start date: 06/19/2018 End date: 06/19/2019 [Apply](#) [1w](#) [2w](#) [1m](#) [3m](#) [6m](#) [1y](#) [2y](#) [3y](#) [5y](#) [10y](#) [All](#)

Filter by Lab Test Filter by Lab Panel Filter by Type Filter by Site

Enter text to filter [Remove All Filters](#) [Show Graph/Table](#) [Close Filter](#)

Lab Results- this is a banner announcement for this widget.

	Collection Date	Specimen Source	Lab Test	Result	Interpretation	Units	Ref Range	Lab Panel	Type	Order Num...	Ordering HC
+	Jun 19, 2019 23:59		Blood Bank Report	result					BB		
+	Dec 12, 2018 09:40	ABDOM	SURGICAL PATHOLOGY	result					SP		
+	Oct 03, 2018 18:06	SERUM	TOT. BILIRUBIN	0.3 mg/dL		mg/dL	0.00 - 1.00		CHEM	^970d280f-6ed2-4e45-a319-c9a839c02535	
+	Oct 03, 2018 18:06	SERUM	SGPT (ALT)	16 U/L	L	U/L	30 - 65		CHEM	^970d280f-6ed2-4e45-a319-c9a839c02535	
+	Oct 03, 2018 18:06	SERUM	SGOT (AST)	12 U/L	L	U/L	15 - 37		CHEM	^970d280f-6ed2-4e45-a319-c9a839c02535	

Displaying 1-17 of 17 [Show All](#)

The following lab test abbreviations are used in the **Type** column of the expanded view. Hovering over an entry in the **Type** column displays the full lab type name.

- CHEM for CH, COAG, HEM, HE, TOX, RIA, SER, and SEND
- MICRO for MI, MICROBIOLOGY, and BACT
- AP for ANATOMIC PATHOLOGY
- EM for ELECTRON MICROSCOPY
- SP for SURGICAL PATHOLOGY
- ST for SKIN or SKIN TEST
- CY for CYTOLOGY
- AU for AUTOPSY
- BB for BLOOD BANK
- H.I.V for HIV

5.7.2. Viewing Lab Results Details

Clicking a hyperlinked entry in the **Lab Test** column of the **Lab Results** widget opens a separate window containing a report of the record ([Figure 88](#)).

Figure 88: Lab Results Details

Lab Results ~ IPO4 POTASSIUM

Order Date:	
Collection Date:	Oct 03, 2018 18:06
Order Number:	
Order Comments:	
Accession:	CHEM 1003 4

Lab Test	Standardized Lab Test	Specimen Source	Result	Result Date	Units	Interpretation	Reference Range	Certification Date	Performing Lab	Comment
POTASSIUM	Potassium [Moles/volume] in Serum or Plasma Standardized Code: 2823-3	SERUM	3.6	10/7/18	meq/L		3.5 - 5.1	Certified: Oct 07, 2018 08:25	CHYSQA260	Ordering Provider: Report Released Date/Time: Oct 07, 2018@08:25 Performing Lab: CHYSQA260

L=Low | H=High | *=Critical | R=Resist | S=Susc | MS=Mod Susc | I=Intermed | U=Uncert
/A=Amended | Comments= (O)rder, (I)nterpretations, (R)esult

5.7.3. Viewing Lab Panel Results Details

Clicking a hyperlinked entry in the **Lab Panel** column of the **Lab Results** widget opens a separate window containing a detailed lab panel report ([Figure 89](#)).

Figure 89: Lab Panel Results Detail

Lab Panel Results ~ IPO4 CHEM PANEL

Order Date:	
Collection Date:	Oct 03, 2018 06:06 PM
Order Number:	
Order Comments:	Ordering Provider: Report Released Date/Time: Oct 07, 2018@08:25 Performing Lab: CHYSQA260
Accession:	CHEM 1003 4

Lab Test	Standardized Lab Test	Specimen Source	Result	Result Date	Units	Interpretation	Reference Range	Certification Date	Performing Lab	Comment
GLUCOSE		SERUM	119	10/7/18	mg/dL	H	65 - 99	Certified: Oct 07, 2018 08:25	CHYSQA260	Ordering Provider: Report Released Date/Time: Oct 07, 2018@08:25 Performing Lab: CHYSQA260
UREA NITROGEN		SERUM	9	10/7/18	mg/dL		7 - 18	Certified: Oct 07, 2018 08:25	CHYSQA260	Ordering Provider: Report Released Date/Time: Oct 07, 2018@08:25 Performing Lab: CHYSQA260
CREATININE		SERUM	0.73	10/7/18	mg/dL		0.60 - 1.30	Certified: Oct 07, 2018 08:25	CHYSQA260	Ordering Provider: Report Released Date/Time: Oct 07, 2018@08:25 Performing Lab: CHYSQA260
eGFR		SERUM	102	10/7/18	mL/min		-	Certified: Oct 07, 2018 08:25	CHYSQA260	Ordering Provider: Report Released Date/Time: Oct 07, 2018@08:25 Performing Lab: CHYSQA260
SODIUM		SERUM	138	10/7/18	meq/L		136 - 145	Certified: Oct 07, 2018 08:25	CHYSQA260	Ordering Provider: Report Released Date/Time: Oct 07, 2018@08:25 Performing Lab: CHYSQA260

5.7.4. Viewing Abnormal Results in the Lab Results Widget

JLV highlights the row for that record in the minimized and expanded views of the widget for records in the **Lab Results** widget where result values fall within a calculated reference range for abnormal.

Pink highlighting represents an abnormal result (i.e., high (H) or low (L)). Red highlighting represents that the abnormal indicator has an asterisk (i.e., H* or L*) or the result is critical.

Examples of records with abnormal results are shown in the expanded view of the **Lab Results** widget in [Figure 90](#).

Figure 90: Lab Results Widget, Abnormal Results in Expanded View

Lab Results (17)
Filtered date range: 6/19/18 - 6/19/19

If the information you expect does not appear, expand the date range.

Start date: 06/19/2018 End date: 06/19/2019 Apply 1w 2w 1m 3m 6m 1y 2y 3y 5y 10y All

Filter by Lab Test Filter by Lab Panel Filter by Type Filter by Site

Enter text to filter x Remove All Filters Show Graph/Table Close Filter

Lab Results- this is a banner announcement for this widget.

	Collection Date	Specimen Source	Lab Test	Result	Interpretation	Units	Ref Range	Lab Panel	Type	Order Num...	Ordering HC
+	Jun 19, 2019 23:59		Blood Bank Report	result					BB		
+	Dec 12, 2018 09:40	ABDOM	SURGICAL PATHOLOGY	result					SP		
+	Oct 03, 2018 18:06	SERUM	TOT. BILIRUBIN	0.3 mg/dL		mg/dL	0.00 - 1.00		CHEM	*970d280f-6ed2-4e45-a319-c9a839c02535	
+	Oct 03, 2018 18:06	SERUM	SGPT (ALT)	16 U/L	L	U/L	30 - 65		CHEM	*970d280f-6ed2-4e45-a319-c9a839c02535	
+	Oct 03, 2018 18:06	SERUM	SGOT (AST)	12 U/L	L	U/L	15 - 37		CHEM	*970d280f-6ed2-4e45-a319-c9a839c02535	

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5.7.5. Viewing Results and Interpretations in the Lab Results Widget

JLV displays links in the **Result** and **Interpretation** columns in the expanded views of the widget to indicate additional information is available for records in the **Lab Results** widget where result values and interpretation are available in a record. [Figure 91](#) highlights multiple result and interpretation links within the widget.

Figure 91: Lab Results Widget, Expanded View, Interpretations Available

Lab Results (998)
Filtered date range: 1/1/80 - 6/19/19

If the information you expect does not appear, expand the date range.

Start date: 01/01/1980 End date: 06/19/2019 Apply 1w 2w 1m 3m 6m 1y 2y 3y 5y 10y All

Filter by Lab Test Filter by Lab Panel Filter by Type Filter by Site

Enter text to filter Remove All Filters Show Graph/Table Close Filter

Lab Results- this is a banner announcement for this widget.

Collection Date	Specimen Source	Lab Test	Result	Interpretation	Units	Ref Range	Lab Panel	Type	Order Num...	Ordering HC
Dec 12, 2013 14:31	SERUM	Cardiolipin Ab IgG	ND	Interpretation Available	GPL/mL	(0-10)	Cardiolipin Ab	CHEM	131212-00010	
Dec 12, 2013 14:31	Cerebrospi... Fluid	CSF Culture	result					MICRO	131212-00005*4266e75d1c2-4507-a0f4-c0c87284410a	
Dec 12, 2013 14:31	SERUM	Cardiolipin Ab IgA	ND	Interpretation Available	APL/mL	(0-12)	Cardiolipin Ab	CHEM	131212-00010	
Dec 12, 2013 14:31	STOOL	WBC	ND	Interpretation Available	/LPF			CHEM	131212-00014*6696b199475-4d24-9106-79cfc670e62c	
Oct 08, 2013 13:21	24 HR URINE	5-Hydroxyindoleaceta	12.0 mg/24 Hr	Higher Than Normal - Interpretation Available	mg/24 Hr	(0.0-8.0)	5-Hydroxyindoleacetate Panel Urine	CHEM	131007-00250	

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Figure 92 displays an example lab interpretation accessed by clicking a link in the **Interpretation** column. The contents of the window may vary depending on the lab type and what is contained in the patient record.

Figure 92: Lab Results Interpretation Details

Lab Results ~ DoD Helicobacter pylori Ab IgG


Order Date: Dec 12, 2013 09:31
Collection Date: Dec 12, 2013 14:31
Order Number: 131212-00013
Order Comments:
Accession: 131212 EP 198

Lab Test	Standardized Lab Test	Specimen Source	Result	Result Date	Units	Interpretation	Reference Range	Certification Date	Performing Lab	Comment
Helicobacter pylori Ab IgG	Helicobacter pylori IgG Ab [Units/volume] in Serum Standardized Code: 7902-0	SERUM	ND	12/12/13		NORMAL = NEGATIVE PERFORMED AT ARMSTRONG LAB, EPIDEMIOLOGY DIVISION, BROOKS AFB, TEXAS 78235-5000		Certified: Dec 12, 2013 09:34		

L=Low | H=High | *=Critical | R=Resist | S=Susc | MS=Mod Susc | I=Intermed | U=Uncert
/A=Amended | Comments=(O)rder, (I)nterpretations, (R)esult

5.7.6. Graph/Table View from the Lab Results Widget

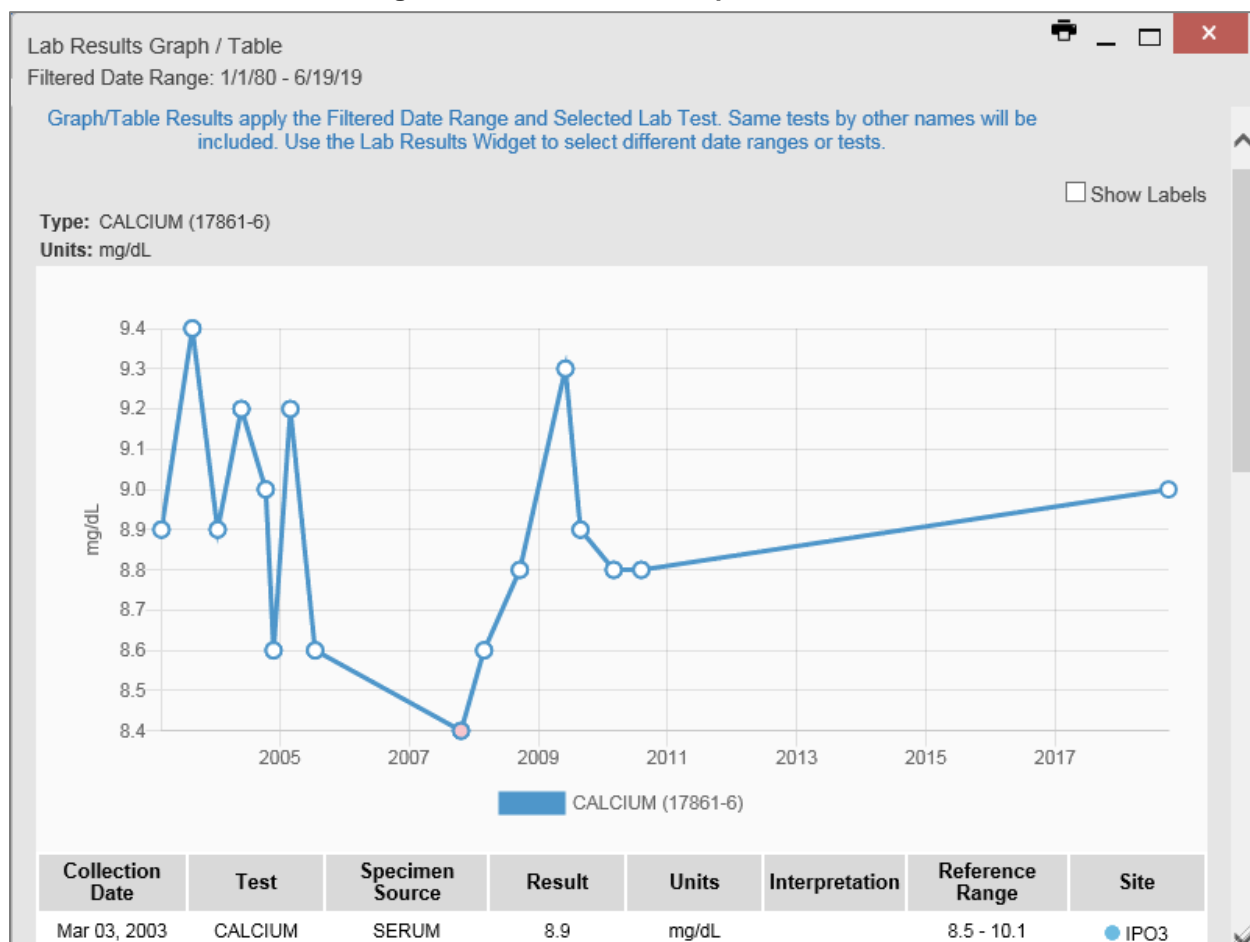
The **Lab Results** widget provides the option to display multiple results for the same lab test in a graph and table.

1. Select  from the widget toolbar in either minimized or expanded view **OR**

2. Click **More >>** from the minimized view of the **Lab Results** widget to open an expanded view of the widget, then select the **Show Graph/Table** link
3. Select a value from the **Select a Lab Test** dropdown in the **Lab Results Graph/Table** dialog
 - a. The graph displays with corresponding table values beneath
4. Select the **Show Labels** checkbox to toggle graph data labels on or off
5. Select **X** to exit **Graph/Table** view and return to the minimized or expanded view of the **Lab Results** widget

[Figure 93](#) displays an example **Graph/Table** view of the lab test results.

Figure 93: Lab Results Graph/Table View



In the expanded view of the **Lab Results** widget, selecting one or more values in the **Filter by Lab Test** dropdown will disable all other filter dropdowns until the filtered selections are removed. The lab test values in the **Filter by Lab Test** dropdown dynamically increase or decrease depending on the date filter criteria you apply. Tests with the same LOINC code (shown in parentheses following the lab test name) as those selected will be automatically included in the filtered results displayed in the widget.


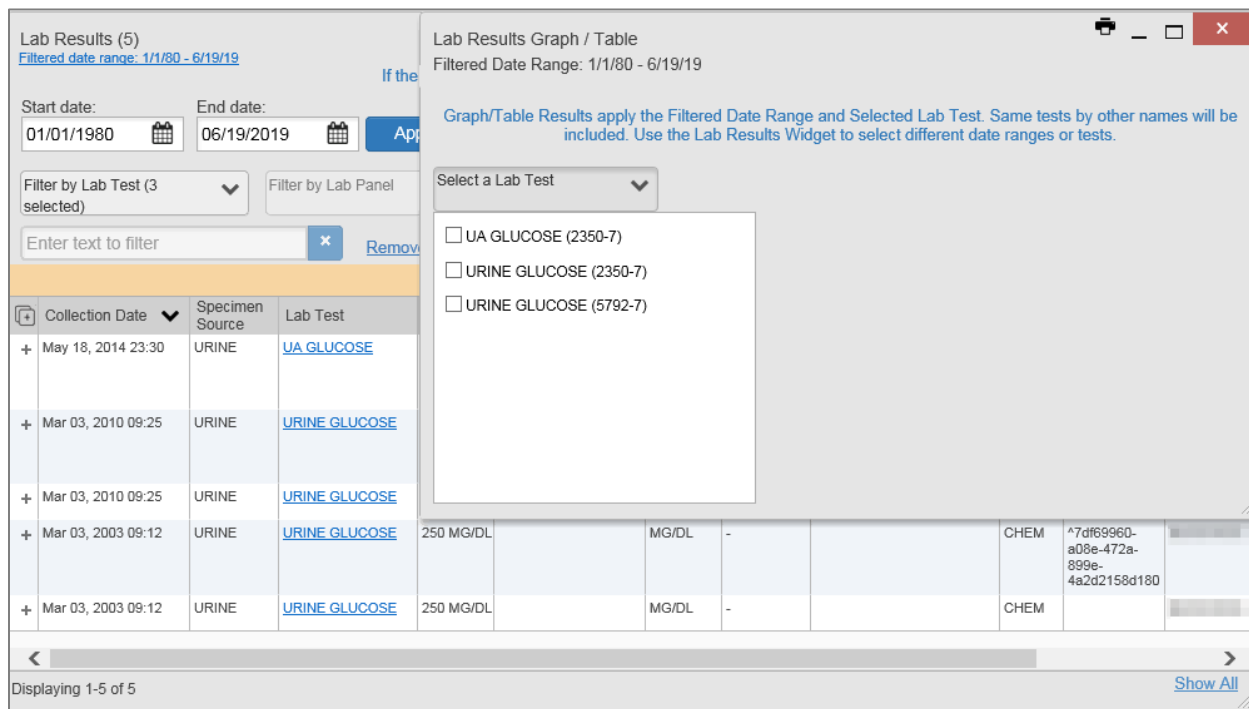
You may only use the graph/table feature for a single lab test LOINC value. All lab tests with the same LOINC will be graphed even if the lab test names differ. While you can select multiple lab test values in the **Filter by Lab Test** dropdown, you will be forced to select a single lab test value from the **Select a Lab Test** dropdown in the **Lab Results Graph/Table** dialog ([Figure 94](#)) once you select either  or the **Show Graph/Table** link. The lab test values in the **Select a Lab Test** dropdown also dynamically increase or decrease depending on the filter criteria applied in the **Lab Results Widget**.

Figure 94: Lab Results Graph Table View, Select a Lab Test



Lab Results (5)
Filtered date range: 1/1/80 - 6/19/19

Start date: 01/01/1980 End date: 06/19/2019

Filter by Lab Test (3 selected) Filter by Lab Panel

Enter text to filter

Graph/Table Results apply the Filtered Date Range and Selected Lab Test. Same tests by other names will be included. Use the Lab Results Widget to select different date ranges or tests.


Select a Lab Test

- ☐ UA GLUCOSE (2350-7)
- ☐ URINE GLUCOSE (2350-7)
- ☐ URINE GLUCOSE (5792-7)

Collection Date	Specimen Source	Lab Test	250 MG/DL	MG/DL	-	CHEM	^7d69960-a08e-472a-899e-4a2d2158d180
May 18, 2014 23:30	URINE	UA GLUCOSE					
Mar 03, 2010 09:25	URINE	URINE GLUCOSE					
Mar 03, 2010 09:25	URINE	URINE GLUCOSE					
Mar 03, 2003 09:12	URINE	URINE GLUCOSE	250 MG/DL	MG/DL	-		
Mar 03, 2003 09:12	URINE	URINE GLUCOSE	250 MG/DL	MG/DL	-		

Displaying 1-5 of 5

Show All

You may also generate a graph for all lab tests with the same LOINC code by selecting  from the **Lab Results Details** view ([Figure 88](#)).

6. Troubleshooting

The following subsections provide information about troubleshooting common errors in JLV.

Please see online help for how-to information within JLV. Please visit [JLV Resources](#) to see JLV training videos and access additional JLV training materials.

6.1. Special Instructions for Error Correction

JLV utilizes access control and authentication services to limit access to registered, authorized users. When enabled, JLV validates you against information retrieved from your Smart Card. If you are having trouble logging in to JLV, and have used the correct URL for your agency, please review the following before contacting the ESD:

VHA users:

- Have accessed JLV using the JLV URL (<https://jlv.med.va.gov/JLV>) or the **JLV** button in CPRS if available
- Have entered their existing CPRS Access and Verify codes correctly in the fields on the JLV **Login** page
- Have selected a site from the **Site** dropdown list on the JLV **Login** page (Most users must specify the individual facility name or their parent healthcare system name)

CAPRI-Claims users:

- Have accessed JLV using the JLV URL (<https://jlv.med.va.gov/JLV>) or the **Joint Legacy Viewer** tab in CAPRI
- Have entered their existing CAPRI Access and Verify codes correctly in the fields on the JLV **Login** page
- Have selected CAPRI-Claims from the **Site** dropdown list
- Do not have any CAPRI patient selection restrictions

Users with any CAPRI patient selection restrictions (restricted users) must use the **Joint Legacy Viewer** tab in CAPRI to access JLV. Restricted users will see the message shown in [Figure 95](#) on the JLV **Login** page if attempting to access JLV via the JLV URL.

Figure 95: Login Error—CAPRI Patient Selection Restrictions

The screenshot displays the 'Joint Legacy Viewer' login interface, which is 'powered by Janus'. At the top, a red error message states: 'Your patient selection is limited. To access electronic health record data, please log into CAPRI. [Need Help?](#)'. Below this, the login form includes an 'Accessibility Mode' checkbox, a 'VistA Access Code' field, a 'VistA Verify Code' field, and dropdown menus for 'Agency' (set to 'VA') and 'Site' (set to 'CAPRI-Claims'). There is an 'Edit Profile' link and a large blue 'Login' button. At the bottom, a 'System Status' box shows a green checkmark and the text 'JLV data sources available.', with a '[JLV Help](#)' link below it.

6.1.1. Login Page Error Messages

Troubleshooting steps for error messages received at the **Login** page are provided in [Table 9](#).

Table 9: Error Messages and Resolution Steps

Error Message/Behavior	Description/Resolution Steps
No access allowed for this user.	<p>WHY? You have not signed onto CAPRI or CPRS for too long and your account is inactive.</p> <p>FIX IT: Contact the ESD and tell them that either your access to CAPRI or CPRS (whichever you use) has been deactivated.</p>
Access denied. You are not an authorized user.	<p>WHY? There is a PIV card processing problem, you selected an invalid security certificate, you may not have the OR CPRS GUI Chart VistA option enabled (VHA), or there may be an issue with your single sign-on account.</p> <p>FIX IT:</p> <p>Reinsert PIV and Choose a Valid Authentication Certificate</p> <ol style="list-style-type: none"> 1) Close your browser window 2) Reinsert your PIV card and relaunch JLV 3) Select a certificate that is not expired and specifies: <i>"Issuer: Veterans Affairs User CA B1"</i> <p>Confirm Your VistA Account is Linked</p> <ol style="list-style-type: none"> 1) Go to the Link My Account website 2) Select a certificate that is not expired and specifies: <i>"Issuer: Veterans Affairs User CA B1"</i> 3) Select <i>Link VistA User</i> 4) Select the VA Medical Center to link 5) Enter your Access/Verify codes 6) Click Submit <p>If neither of these methods resolve the error, contact the ESD.</p>
Could not save User Profile.	<p>WHY? The error occurred during PIV authentication. It is either a PIV card processing problem, or you chose the wrong security certificate.</p> <p>FIX IT:</p> <ol style="list-style-type: none"> 1) Close your browser window 2) Reinsert your PIV card and relaunch JLV 3) Select a certificate that is not expired and specifies: <i>"Issuer: Veterans Affairs User CA B1"</i> 4) If unsuccessful, close all open IE windows/tabs, then open IE and try JLV again
Not a valid ACCESS/VERIFY CODE pair.	<p>WHY? JLV could not match your Access and Verify codes to the site selected in the dropdown, or you entered username and password instead of Access/Verify codes.</p> <p>FIX IT:</p> <ol style="list-style-type: none"> 1) VHA users must select the parent VistA host site for their facility 2) Reenter your Access and Verify codes (CAPRI codes for CAPRI-Claims users, CPRS codes for VHA users)

Error Message/Behavior	Description/Resolution Steps
Page cannot be displayed.	<p>WHY? The JLV URL requires certain IE settings.</p> <p>FIX IT:</p> <ol style="list-style-type: none"> 1) Click the Tools menu (press ALT+X) in IE 2) Select Internet Options 3) When the dialog box opens, click the Advanced tab 4) Scroll down in the list until you see the Secure Sockets Layer (SSL) 2.0 setting, and ensure it is NOT checked 5) Ensure that the Transport Layer Security (TLS) 1.0, 1.1 and 1.2 settings ARE checked 6) Click OK to close the dialog box, then relaunch JLV (The page should load)
Smart Card required.	<p>WHY? Your Smart Card was not read by Windows Security and JLV before opening the JLV URL.</p> <p>FIX IT:</p> <ol style="list-style-type: none"> 1) Close all browser sessions and browser-based applications 2) Reinsert your PIV card, and relaunch the JLV URL 3) If unsuccessful, close all open IE windows/tabs, then open IE and try JLV again
VERIFY CODE must be changed before continued use.	<p>WHY? Your CPRS or CAPRI Verify code has expired.</p> <p>FIX IT:</p> <ol style="list-style-type: none"> 1) Open CPRS, VistA, or CAPRI (CAPRI-Claims users) <ol style="list-style-type: none"> a) If prompted for a PIV card certificate by CPRS, click Cancel 2) You are prompted to create a new Verify code 3) Once your Verify code has been changed for CPRS or CAPRI, relaunch JLV, which recognizes the new code immediately

6.1.2. System Error Messages

[Table 10](#) summarizes system messages that may be presented to JLV users.

Table 10: System Error Messages

Error Message/Behavior	Description/Resolution Steps
No message displays but behavior occurs: The browser window does not allow the user to scroll to widgets or access the JLV icons on the portal pages.	<p>WHY? You may be using an unsupported browser or your screen resolution settings do not match the recommended configuration.</p> <p>FIX IT:</p> <ol style="list-style-type: none"> 1) Access JLV using IE 11 or Chrome 2) Use a monitor with a minimum screen resolution of 1024 x 768 3) Set the browser zoom feature to 100% 4) If browser display issues continue, log out of JLV, close the browser window, open a new browser window, and log in to JLV again
Warning: An error occurred while attempting to retrieve VistA Imaging Viewer URL.	<p>WHY? JLV is unable to retrieve the necessary data object to launch a VistA Imaging Viewer instance.</p> <p>FIX IT: Try again later; either VDS or CVIX is offline.</p>

Error Message/Behavior	Description/Resolution Steps
MVI Error: Your query yields too many results. Please modify your search parameters to narrow the search.	WHY? JLV adheres to VA guidelines and blocks search results when a search request yields more than 10 patients. FIX IT: Modify the information in the Patient Search dialog box using additional patient identifiers to reduce the number of results.
MVI Error: There are no patients found using the current parameters.	WHY? No patient records were found using the information entered in the Patient Search dialog box. FIX IT: <ol style="list-style-type: none"> 1) Verify the accuracy of the information 2) Reenter patient identifiers in the Patient Search dialog box fields
MVI Error: Application Reject. There was an error attempting to process your query. Please modify your search parameters and try again.	WHY? There may be one or more errors in the Patient Search dialog fields. FIX IT: <ol style="list-style-type: none"> 1) Validate the patient identifiers, and try the search again 2) If problems persist, there may be an error between MVI and the Defense Enrollment Eligibility Reporting System (DEERS)
MVI Error: Patient not found with search elements entered, please provide additional patient identifying information and search again.	WHY? No unique patient is found with the identifiers used in the search. FIX IT: <ol style="list-style-type: none"> 1) Click OK to return to the Patient Search dialog 2) Provide additional patient identifiers, like the full first name or DOB
You do not have authorization to view this record. Security regulations prohibit computer access to your own medical record.	WHY? VA security regulations prevent you from accessing your own medical records.
You do not have authorization to view this record. Your SSN is missing from the NEW PERSON file. Contact your ADP Coordinator.	WHY? Per VA policy, JLV does not allow access to patient records if the JLV user's SSN is not in their VistA profile. FIX IT: Contact your Automated Data Processing Application Coordinator (ADPAC).
An error occurred while attempting to retrieve the document.	WHY? This error occurs when something goes wrong when JLV tries to retrieve a selected document. FIX IT: <ol style="list-style-type: none"> 1) Try again 2) If the error persists, contact local support or the ESD
An error occurred while attempting to display the document.	WHY? This error occurs when JLV tries to retrieve a document but has trouble converting the document to a viewable format. FIX IT: <ol style="list-style-type: none"> 1) Try again 2) If the error persists, contact local support or the ESD
Your patient selection is limited. To access electronic health record data, please log in to CAPRI.	WHY? Some CAPRI-Claims users have patient or site restrictions attached to their profile. FIX IT: Log in to CAPRI and select the Joint Legacy Viewer tab to view patient records.

A. Acronyms and Abbreviations

[Table 11](#) lists the acronyms and abbreviations used throughout this document and their descriptions.

Table 11: Acronyms and Abbreviations

Acronym	Description
ADPAC	Automated Data Processing Application Coordinator
AFB	Air Force Base
AHLTA	Armed Forces Health Longitudinal Technology Application
AMC	Army Medical Center
BMI	Body Mass Index
BP	Blood Pressure
BSA	Body Surface Area
CAPRI	Compensation and Pension Record Interchange
CCD	Continuity of Care Document
C-CDA	Consolidated Clinical Document Architecture
CCOW	Clinical Context Object Workgroup
CD2	Critical Decision Point #2
CDC	Centers for Disease Control
CDR	Clinical Data Repository
CHCS	Composite Health Care System
CPRS	Computerized Patient Record System
CPT	Current Procedural Terminology
CVX	Vaccine Administered
DES	Data Exchange Service
DEERS	Defense Enrollment Eligibility Reporting System
DOB	Date of Birth
DOD	Department of Defense
EDIPI	Electronic Data Interchange Personal Identifier
EHR	Electronic Health Record
EHRM	Electronic Health Record Modernization
EKG	Electrocardiogram
ESD	Enterprise Service Desk
FEHR	Federal Electronic Health Record
GUI	Graphical User Interface
HAIMS	Healthcare Artifact and Image Management Solution
HCP	Health Care Provider
HCS	Health Care System
HIE	Health Information Exchange
HL7	Health Level Seven International

Acronym	Description
ID	Identification
IE	Internet Explorer
IEN	Internal Entry Number
IP	Internet Protocol
JB	Joint Base
JLV	Joint Legacy Viewer
LOINC	Logical Observation Identifiers Names and Codes
MAH	Medication Administration History
MAL	Medication Administration Log
MHS	Military Health System
MI	Middle Initial
MVI	Master Veteran Index
NUCC	National Uniform Claim Committee
OIT	Office of Information and Technology
PACT	Patient-Aligned Care Team
PCMM	Primary Care Management Module
PCP	Primary Care Provider
PDWS	Patient Discovery Web Service
PIN	Personal Identification Number
PIV	Personal Identity Verification
SIGI	Self-Identified Gender Identity
SSL	Secure Sockets Layer
SSN	Social Security Number
SSOi	Single Sign-On Internal
TLS	Transport Layer Security
TMDS	Theater Medical Data Store
UC	University of California
UI	User Interface
URL	Uniform Resource Locator
VA	Department of Veterans Affairs
VBA	Veterans Benefits Administration
VDS	VistA Data Service
VHIE	Veterans Health Information Exchange
VIP	Veteran-Focused Integrated Process
VLER	Virtual Lifetime Electronic Record
VHA	Veterans Health Administration
VistA	Veterans Health Information Systems and Technology Architecture

B. Patient Portal Widgets, Columns, and Supported Views

[Table 12](#) details each data column within the minimized and expanded views of each widget. Data columns available in each view are ordered from left to right.


- An asterisk (*) next to a column title in the table indicates the data for that record is available in “detail view” from within the widget; clicking a link opens the contents of that record in a standalone window
- A dagger (†) next to a column title in the table indicates the data in that column is normalized (mapped to standards)
- A double dagger (‡) next to a column title in the table indicates the column is hidden by default and must be added from 

Table 12: Widget Details

Widget	Description	Minimized View	Expanded View
Admissions	Displays the patient’s inpatient admissions information including VA expanded admission discharge transfer history and detailed discharge diagnosis data	Adm Date* Discharge Date Diagnosis† Ward Site	Adm Date* Discharge Date Ward Provider† Diagnosis† Standardized Diagnosis† Registration Number Site
Allergies	Displays the patient’s allergy information	Date Recorded Allergen*† Site	Date Recorded Allergen*† Standardized Allergen† Reaction Severity Comments Site
Appointments	Displays the patient’s past and future appointments information	Scheduled Date/Time* Clinic Provider† ¹⁹ Site	Scheduled Date/Time* Clinic Provider† ¹⁹ Provider Specialty† ¹⁹ Appointment Status Type Reason Site
Cardiology Studies—VA MUSE Only	Displays EKGs and cardiology studies with related images from all VA MUSE sites and systems	Date Description (Test Type) Status Image	N/A
Clinical Reminders—VA Only	Displays the patient’s clinical reminders information from all VA sites	Reminder Site* ²⁰	Reminder Site* ²⁰

¹⁹ Column hover display includes provider address and phone number.

²⁰ Lists a sortable, filterable reminder column for each site to which the patient is registered. A maximum of three site columns display in minimized view. All site columns display in expanded view.

Widget	Description	Minimized View	Expanded View
Community Health Summaries	Displays the patient's community health documents from VHIE partners including any CCDs, in C32 and C62 formats, and HL7 C-CDA structured documents	Date Document* Source	N/A
Consult Encounters	Displays the patient's outpatient consult information	Date Consult Order* Status Site	Date Consult Order* Provider† Provider Specialty† Status Site
Demographics	Displays the patient's non-clinical or personal data including Patient Inquiry, Demographics, Disabilities, Primary Care assignments, Insurance, Military Service, and Enrollment and Eligibility	The site tabs provide a summary from the site (VA or DOD) where the patient is registered	Click the patient name to open a separate window that provides patient demographic details (VistA patient inquiry for each VA site and DOD DEERS), as well as inpatient and attending providers
Documents	Displays documents from multiple clinical domains including radiology reports (exams), progress notes, outpatient encounters, consult encounters, discharge summaries, inpatient notes, questionnaires, and HAIMS and MHS GENESIS records	Date (Note[s]*) Description*† Provider† Image Site	Date (Note[s]*) Description*† Standardized Description† Provider† Provider Specialty† Location Status Image/Attachment Source System Site
Federal EHR/MHS GENESIS	Displays patient documents and dental summaries from the MHS GENESIS system	Date Document Title* Document Type Site	N/A
Health Summaries and Reports—VA Only	Displays the patient's national and local health summaries and reports from VA sites where the patient has been registered	Description* Site	Description* Type Site
Immunizations	Displays the patient's immunization history, including skin test data (where available) in the patient's record	Vaccine Administered Date (Note[s]*) Vaccine Administered Product Type*† Adverse Vaccine Reaction Site (Reporting)	Vaccine Administered Date (Note[s]*) Vaccine Administered Product Type*† Standardized Vaccine Product Type† Series Immunization Result Adverse Vaccine Reaction Exemption/Refusal Reason Exemption/Refusal Date Site of Admin Site (Reporting) ²¹
Inpatient Medications	Displays a patient's inpatient medications information including inpatient infusions	Order Number Drug Name*† Status Order Stop Date Site	Order Number Order Start Date Order Stop Date Drug Name*† Standardized Drug Name† Status Ordering HCP† Ordering HCP Specialty† Schedule MAH/MAL Quantity Site

²¹ The **Immunizations** widget differentiates between the reporting site and the site of administration of a vaccine.

Widget	Description	Minimized View	Expanded View
Inpatient Summaries	Displays the patient's discharge summaries, history, and physical summaries	Date Note Type/Title* Site	Date Note Type/Title* Provider† Provider Specialty† ²² Location Visit/Adm Date Status Site
Lab Results	Displays the patient's lab results information by individual lab test for all test types (i.e., Microbiology, Cytopathology, and Surgical Pathology) as well as skin test data and blood bank (blood type testing and transfusion) history, when available in the patient's record	Collection Date Lab Test*† Result* Lab Panel* Site	Collection Date Specimen Source Lab Test*† Standardized Lab Test†† Result* Interpretation* Units Ref Range Lab Panel* Type Order Number Ordering HCP† Ordering HCP Specialty†† Status Site
Orders	Displays the patient's medication, consult, radiology, and lab orders	Order Date Description*† Status/Priority Type Site	Order Date Order Number Description*† Status/Priority Start Date Stop Date Type Standardized Type† Provider† Provider Specialty† Site
Outpatient Encounters	Displays records of the patient's outpatient encounters	Encounter Date (Details* Note*) Clinic Provider† Diagnosis† Attachment Site	Encounter Date (Details* Note*) Clinic Status ²³ Type Provider† Provider Specialty† Reason Diagnosis† Standardized Diagnosis† Attachment Site
Outpatient Medications	Displays the patient's outpatient medications information, including those discontinued or expired within the past 120 days	Last Fill Drug Name*† Status Expires Site	Last Fill Drug Name*† Standardized Drug Name† Prescription Number Sig Quantity Days' Supply Refills Left* Status Ordering HCP† Ordering HCP Specialty† Expires Site
Problem List	Displays the patient's problem list information	Updated Date Problem Description*† ICD Type Status Linked Items ²⁴ Site	Updated Date Onset Problem Description*† Standardized Description† ICD Severity Type Status Linked Items ²⁴ Site

²² The **Provider Specialty** column is populated with VA data only.

²³ Data in the **Status** column is populated with DOD data only.

²⁴ **Linked Items** contains DOD data only

Widget	Description	Minimized View	Expanded View
Procedures	Displays the patient's procedures for all Current Procedural Terminology (CPT) codes	Procedure Date (Medicine Full Reports* Note[s]*) Location ²⁵ Provider† Procedure Description† Image Site ²⁶	Procedure Date (Medicine Full Reports* Note[s]*) Location ²⁵ Provider† Provider Specialty† CPT Code ²⁷ Procedure Description† Standardized Procedure Description† Image Type Site ²⁶
Progress Notes	Displays the patient's progress notes information as well as advance directives, clinical warnings, and crisis notes	Date Document Type/Title*† Provider† Image Site	Date Document Type/Title*† Standardized Document Type† Provider† Provider Specialty† Clinic Image Site
Questionnaires and Deployment Assessments (AHLTA Only)	Displays the patient's history of questionnaires and DOD pre- and post-deployment assessments	Date Document Title*† Site	Date Entered By Document Title*† Standardized Document Title† Site
Radiology Reports	Displays the patient's radiology exams information	Date Exam*† Image Site	Date Exam Number Exam*† Standardized Radiology Exam† CPT Description† Status Results Image Site
Social, Family, and Other Past Histories	Displays the patient's history records from DOD only	Date Reported Type Findings Status Site	Date Reported Type Findings Standardized Findings Comments Status Site
Surgery/Procedure Reports—VA Only	Displays surgical and operative reports for all dates	Date Note Title Provider Site	Date Note Title Procedure Provider Image Site
Vitals	Displays the patient's vital signs information from inpatient or outpatient settings	Date Taken Type*† Result ²⁸ Converted Result ²⁹ Site	Date Taken Type*† Standardized Type† Result ²⁸ Converted Result ²⁹ Site

²⁵ **Location** represents a ward or clinic within a given DOD or VA facility where the procedure took place.

²⁶ **Site** represents the source of procedure (i.e., VA or DOD). **Site** is different from **Location** or **Facility**.

²⁷ **CPT Code** is limited to clinically relevant medical or administrative procedure types.

²⁸ **Result** displays all results received natively as metric, received as imperial and converted to metric, and those values that are neither metric nor imperial.

²⁹ **Converted Result** displays all results received natively as imperial and all imperial conversions of metric results with the applicable, concatenated unit (height, weight, temperature, etc.), but remains blank for all numeric or text results that are neither metric or imperial and metric results that have no imperial equivalent/conversion (e.g. blood pressure [BP], body mass index [BMI], body surface area [BSA]).